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Rev. 0
Vol. 2

Site Outcomes Baseline

Multi-Year Work Plan

Volume 2: River Corridor Final Closure and Spent Nuclear Fuel Baseline

United States
Department of Energy

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PREFACE

The River Corridor Final Closure and Spent Nuclear Fuel volume is a compilation of Hanford Site scope, which excludes the approximately 194 km^2 (75 mi^2) Central Plateau. The River Corridor scope is currently contractually assigned to Fluor Hanford, Bechtel Hanford, Inc., DynCorp, and Pacific Northwest National Laboratory, and others.

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ACRONYMS

ALE	Arid Lands Ecology
BEMR	Baseline Environmental Management Report
BHI	Bechtel Hanford, Inc.
BPA	Bonneville Power Administration
CERCLA	*Comprehensive Environmental Response, Compensation, and Liability Act of 1980*
CRBG	Columbia River Basalt Group
D&D	Decontamination and Decommissioning
DOE	U.S. Department of Energy
DWP	*Detailed Work Plan*
DWS	Drinking Water Standard
ECO	Ecological Careers Organization
Ecology	Washington State Department of Ecology
EE/CA	Engineering Evaluation/Cost Analysis
EIS	Environmental Impact Statement
EM	Environmental Management
EMSP	Environmental Management Science Program
EPA	U.S. Environmental Protection Agency
ER	Environmental Restoration
ERC	Environmental Restoration Contractor
ERDF	Environmental Restoration Disposal Facility
ES&H	Environmental, Safety, and Health
ETF	Effluent Treatment Facility
FEP	Features, Events, and Processes
FFTF	Fast Flux Test Facility
FY	Fiscal Year
GW/VZ	Groundwater/Vadose Zone
HAB	Hanford Advisory Board
HAMMER	Hazardous Materials Management and Emergency Response
HQ	Headquarters
HTLTR	High-Temperature Lattice Test Reactor
INS	Interstate Nuclear Services
IFS&M	Inactive Facility Surveillance and Maintenance
ISS	Interim Safe Storage
ITRD	Innovative Treatment Remediation Demonstration
LRP	*Long Range Plan*
NAS	National Academy of Sciences
NEPA	*National Environmental Policy Act of 1969*
NPDES	National Pollutant Discharge Elimination System
NRTC	Natural Resource Trustee Council
PBS	Program Baseline Summary
PCTR	Physical Constants Test Reactor
PHMC	Project Hanford Management Contract
PILT	Payment in Lieu of Taxes
PM&S	Project Management and Support
PNNL	Pacific Northwest National Laboratory
PRCF	Plutonium Recycle Critical Facility
PRTR	Plutonium Recycle Test Reactor
QA	Quality Assurance

ACRONYMS (Cont.)

RARA	Radiation Area Remedial Action
RAWD	Remedial Action and Waste Disposal
RCRA	*Resource Conservation and Recovery Act*
REDOX	Reduction Oxidation
RL	Richland Operations Office
ROD	Record of Decision
RTD	Remove/Treat/Dispose
S&M	Surveillance and Maintenance
S&T	Science and Technology
SAC	System Assessment Capability
SM&T	Surveillance/Maintenance and Transition
TIP	Technology Insertion Point
TRIGA	Training Research Isotopes, General Atomics
Tri-Party Agreement	*Hanford Federal Facility Agreement and Consent Order*
TRU	Transuranic
TSD	Treatment, Storage, and Disposal
TTR	Thermal Test Reactor
WAC	*Washington Administrative Code*
WBS	Work Breakdown Structure

1.0 RIVER CORRIDOR FINAL CLOSURE AND SPENT NUCLEAR FUEL BASELINE SUMMARY

1.1 COMPILED PROJECT SPECIFICATION

A critical mission of the U.S. Department of Energy (DOE) involves the planning, implementation, and completion of environmental restoration programs at DOE facilities. An integral part of this mission involves safe and cost-effective environmental restoration of the Hanford Site.

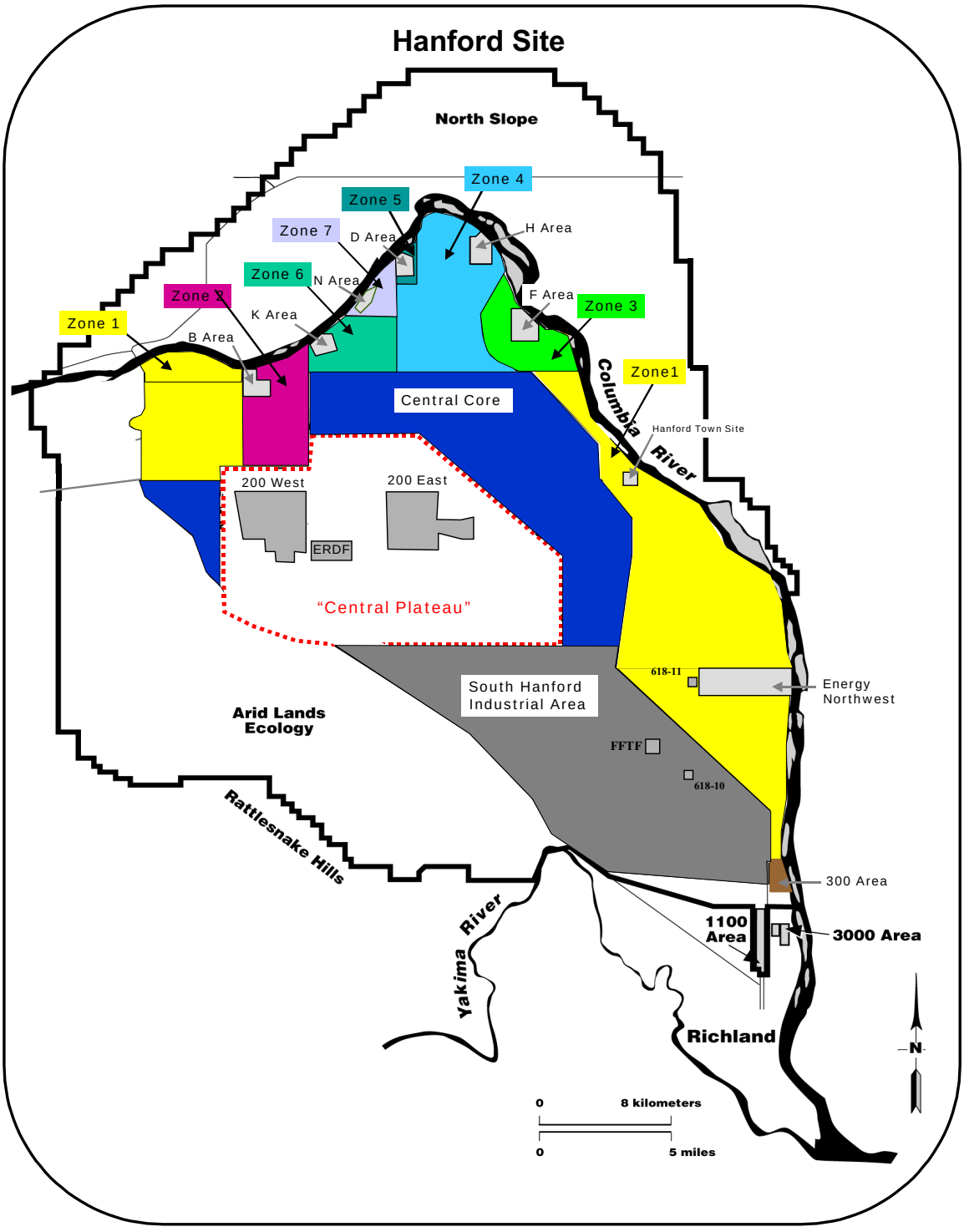
For more than 40 years the Hanford Site supported United States national defense programs, largely through the production of nuclear materials. One legacy of historical Hanford Site operations is a significant waste inventory of radioactive and/or regulated chemical materials. Past releases of these materials have contaminated the Hanford Site environment.

The Hanford Site covers 1,450 km^2 (560 mi^2) along the Columbia River, in south-central Washington State (Figure 1-1). The Hanford Site contains more than 1,500 contaminated waste sites, and more than 500 of these are within a half mile of the Columbia River. There are also more than 500 contaminated and/or surplus facilities at the Hanford Site. The Richland Environmental Restoration (ER) Project is responsible for the remediation of more than 1,200 of these waste sites, as well as for surveillance and maintenance (S&M) and decontamination and decommissioning (D&D) of more than 200 facilities. The remaining waste sites and facilities will either be transitioned to the ER Project in the future or addressed by another Hanford Site program. More than 625,000 m^3 (817,000 yd^3) of solid waste containing an estimated 4.8 million curies of radioactive materials were previously buried in Hanford Site soils. More than 1.7 trillion liters (450 billion gallons) of liquid waste containing radioactive and chemical contamination have been discharged to the ground at the Hanford Site. Early disposal practices resulted in the contamination above federal drinking water standards (DWS) of 220 km^2 (85 mi^2) of groundwater beneath the Hanford Site. Groundwater contaminants include hazardous, chemical, and/or radioactive wastes. Contaminated groundwater plumes of environmental concern have reached the Columbia River.

The U.S. Department of Energy, Richland Operations Office (RL) established the Richland ER Project in 1987 to plan, execute, and control the management and disposition of the Hanford Site's past-practice environmental contamination. In 1989 the DOE agreed to a regulatory framework with the U.S. Environmental Protection Agency (EPA) and the Washington State Department of Ecology (Ecology), as documented in the *Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement). Enforceable under *the Comprehensive Environmental Response, Compensation, and Liability Act of 1980* (CERCLA) and the *Resource Conservation and Recovery Act of 1976* (RCRA), the Tri-Party Agreement specifies actions that RL has agreed to perform (along with associated milestones and schedule) to cleanup the Hanford Site. A key component of the Tri-Party Agreement has been public participation by stakeholders, trustees, and the four Tribal Nations.

The purpose of this project specification is to provide an overall scoping document for the River Corridor Final Closure and Spent Nuclear Fuel volume, and to provide a link with the overall Hanford Site River Corridor scope. Additionally, this specification provides an integrated and consolidated source of information for the various scopes, by current contract, for the River Corridor Final Closure and Spent Nuclear Fuel Baseline. It identifies the vision, mission, and goals, as well as the operational history of the Hanford Site, along with environmental setting and hazards.

Figure 1-1. Columbia River Corridor Restoration Map.



1.2 COMPILED PROJECT OBJECTIVES

The Richland ER Project vision, mission, goals, and priorities are presented in this section.

1.2.1 Vision

The vision of the Richland ER Project is that the Hanford Site has been progressively restored, preserved, or protected in a manner that has made land available for other beneficial uses. The required cleanup standards have been achieved and stakeholder values have been expressed and met. The required work has been performed using state-of-the-art science and technology in a manner that was lifecycle cost-effective, while protecting the safety and health of workers, the public, and the environment.

To achieve this vision, the Richland ER Project will perform integrated and phased work activities that are based on established priorities to progressively restore the Hanford Site to a condition that allows other uses, while maintaining a commitment to an injury-free workplace and minimizing environmental damage that could result from the remediation process. The Richland ER Project will perform cleanup activities in a technically sound and cost-effective manner. The Richland ER Project will protect the health and safety of workers and the public and will prevent further degradation of the environment.

In addition, the following vision statement has been framed to express a view of what might evolve from successful implementation of the Groundwater/Vadose Zone (GW/VZ) Integration Project:

Integration activities have established broad trust and collaboration that have resulted in credible decisions, based on defensible science, that effectively and efficiently protected water resources.

To achieve this vision, the GW/VZ Integration Project, along with the help and concurrence of interested stakeholders, will define the work to be performed and establish the priorities for completing the work. Experts who are independent of the Hanford Site will review the work scope for its technical adequacy, and appropriateness, to achieve project objectives.

SPENT NUCLEAR FUEL

FH to provide narrative.

1.2.2 Mission

The ER Project mission is as follows:

The mission of the Richland ER Project is to perform cleanup activities to preserve, protect, or restore the Hanford Site to allow other beneficial uses.

In support of this mission, the project will strive to accomplish the following:

- Protect the safety and health of workers and the public.
- Minimize harmful effects to the environment.
- Control hazardous materials in a safe condition.
- Balance the use of aggressive restoration activities, natural environmental processes, and associated risk in the decision-making process while considering stakeholder values, current and future land-use options, and lifecycle cost effectiveness.
- Focus research and development on the needs of the project, and use cost-effective, state-of-the-art, innovative science, engineering, and technology.
- Manage natural resources until the land is available for other beneficial uses.

SPENT NUCLEAR FUEL

FH to provide narrative.

1.2.3 Strategic Plan

The following strategic goals (which are not presented in any order of priority) define the major actions required to accomplish the Richland ER Project mission, support site outcomes, and achieve the desired environmental restoration of the Hanford Site. The strategic goals and outcomes were developed through the Hanford Site strategic planning process, including the current site outcomes focus.

"Restore the River Corridor" Outcome: Reactors on the River. The Reactors on the River is essentially equivalent to the ER Project's 100 Areas. (Final reactor disposition is included in this volume. Soil site remediation, groundwater interim actions, and reactor ISS activities are included in the River Corridor Restoration volume.)

***Reactors on the River Goal*:** Spent fuel, surplus facilities, and waste sites will be removed and/or stabilized to protect groundwater and the Columbia River, and to ensure protection of public; the environment; and sensitive ecological, cultural, and Native American resources.

Soil Sites

- Soil sites will be remediated consistent with record of decision (ROD) cleanup standards.
- Cleanup levels will be established within individual RODs or permit modifications.

Groundwater

- Groundwater use remains restricted for a yet-to-be-determined period. Groundwater will be intercepted (or contained) to protect the Columbia River and the environment.

- Cleanup levels will be established within individual RODs or permit modifications.

Facilities

- Reactors will be placed in interim safe storage (ISS) for up to 75 years, pending future removal.

- Reactor blocks will be transported to the Central Plateau for final disposal.

- Nonessential surplus buildings and facilities that do not have identified post-cleanup uses will be removed.

***South 600 Area*.** The South 600 Area includes the ER Project's 300 Area, 400 Area, and 1100 Area.

***South 600 Area Goal*:** The 300 Area waste sites, materials, and facilities will be remediated to allow industrial and economic diversification opportunities as feasible. The federal government will retain ownership of land in and adjacent to the 300 and 400 Areas. Excess land within the 1100 Area will be targeted for transition to nonfederal ownership.

Soil Sites

- Soil sites will be remediated consistent with ROD cleanup standards. Contaminated media will be consolidated and moved to the 200 Areas for disposal.

- Cleanup levels will be established within individual RODs or permit modifications.

Groundwater

- Groundwater use remains restricted for a yet-to-be-determined period; existing site plumes will continue to be monitored.

- Final cleanup levels will be established within individual RODs or permit modifications.

Facilities

Facilities will be reused for economic diversification, where feasible; nonessential surplus buildings and facilities that do not have identified post-cleanup uses will be removed.

Central Core Area. The Central Core Area is the remaining area adjacent to the Reactors on the River and the Central Plateau. (While there are limited waste sites and facilities in this area, any required restoration actions outside of the Central Plateau have been included in the River Corridor Restoration volume.)

***Central Core Area Goal*:** This area will remain under federal ownership, consistent with safety analysis boundaries and continued waste management operations in the 200 Areas. These areas will be available for other federal programs, or leased for nonfederal uses, consistent with appropriate recognition of cultural and ecosystem values.

Soil Sites

- Cleanup levels will be established within individual RODs or permit modifications.

Groundwater

- Existing groundwater site plumes will be monitored, intercepted, or contained, as necessary, to protect the Columbia River.
- Groundwater use remains restricted for a yet-to-be-determined period.

Facilities

- Nonessential surplus buildings and facilities that do not have identified post-cleanup uses will be removed.

"Transition the Central Plateau" Outcome: Central Plateau. The Central Plateau is essentially equivalent to the ER Project's 200 Areas.

***Central Plateau Goal*:** The Central Plateau will be used for the management of nuclear materials, the collection and disposal of waste materials that remain onsite, and for other related and compatible uses. Cleanup levels and disposal standards will be established that are consistent with these long-term uses. (Restoration activities associated with the Central Plateau are part of this volume.)

Groundwater

- Groundwater use remains restricted for a yet-to-be-determined period. Groundwater will be intercepted or contained within designated boundaries.
- Cleanup levels will be established within individual RODs or permit modifications.

Facilities

- D&D facilities currently assigned to the ER Project will be dismantled, or closed through entombment.

Nonessential surplus buildings and facilities that do not have identified post-cleanup uses will be removed.

"Put DOE Assets to Work for the Future" Outcome. Successful completion of River Corridor activities supports DOE objectives to create new nonenvironmental management jobs at the Hanford Site, and to reutilize excess site assets, including resale or reuse of excess property and transfer of decontaminated property.

1.2.4 Priorities

The development of priorities for River Corridor Final Closure and Spent Nuclear Fuel is based on working within the overall Hanford Site criteria. The criteria are used to develop an integrated priority list that considers risk, legal requirements, and the views of regulators, Tribal Nations, trustees, and stakeholders, along with management judgment. In addition, the prioritization process includes a focus on the following key strategic outcomes: restore the River Corridor for multiple uses, transition the Central Plateau to support long-term waste management, and put DOE assets to work for the future. As work scope elements are prioritized, the risk evaluations are examined to ensure that high-priority work also results in appropriate levels of risk reduction at the Hanford Site.

The Hanford Site's work priorities consist of two segments: (1) items that are essential under any funding scenario (i.e., "Base Operation" activities), and (2) items that permit discretion over the level and timing of funding (i.e., "Cleanup Progress" activities). The following definitions are applied from the January 2000 *Hanford Mission Planning Guidance for FY2002* (RL document 00-MPD-018). (Note: The same definitions, in summary form, are referenced in the June 2000 *Budget Update Guidance*, RL Document 00-MPD-088):

"Base Operation" activities are those items that generally must be accomplished irrespective of the funding scenarios. In general, the scope, schedule, and cost of these items should be established prior to setting priorities for the "Cleanup Progress " activities. Base operation activities include both "essential safety" activities and "essential services."

> **Essential safety activities:** Those surveillance, maintenance, and support activities required to control existing material, waste, and facilities in a safe, stable condition, and to maintain the facility systems and infrastructure in the operational condition dictated by approved safety and compliance documentation. No remediation, stabilization, or disposal will occur except for safety-related conditions requiring immediate action. Activities that simply comply with regulatory requirements and agreements, but which are not necessary for safe operations, will not be included. Only those program/project management activities that are required to support essential safety activities will be included.

Essential services: Activities necessary to maintain and provide essential site services/ infrastructure (e.g., analytical services, waste management services, HAMMER) for RL, Office of River Protection (ORP), and required offsite entities in a "ready-to-proceed" condition, including actions needed to attain or maintain the compliance envelope for those services. This category includes the cost to actually perform essential services that may be required to support other base operation activities. For example, performing actual solid waste management services may be required to support essential safety activities at the Plutonium Finishing Plant (PFP).

RL-essential activities (previously designated as "Must-Do's" or "RL-Managed," and also referred to as "community mandates") are those EM-funded efforts that are directed by RL and include state grants, Payment in Lieu of Taxes (PILT), Hanford Advisory Board (HAB) grants, declassification, sitewide activities (etc). RL establishes the scope, schedule, and cost for these activities.

"Cleanup Progress" activities are those items that involve doing work to achieve the results required for Hanford Site cleanup, including actions for safety issue resolution and those needed to attain or maintain the compliance envelope for those activities. These are the budget elements for which priorities must be assessed to determine their relative importance. The priority order of these activities will be used to consider incremental additions and deletions in scope to accommodate funding changes. In addition, the cleanup progress activities are those efforts that are the most vulnerable to changes in funding levels (either increases or decreases). A more refined set of priority guidelines is required to prescribe the tradeoff decisions needed to fit a viable and logical set of activities into the target funding constraints. These priority guidelines are also required to define "Buy-Back" and "Cut Back" lists to be used to accommodate changes in funding. Table 1-1 lists the priority guidelines and priority order for conducting "Cleanup Progress" activities. Table 1-2 provides additional overarching guidelines to aid in refinement and tradeoff decisions.

In summary, Hanford Site (RL) activities must be prioritized as follows:

Base Operation

1. Essential Safety
2. Essential Services.

Cleanup Progress

3. Achieve Tri-Party Agreement milestones and Defense Nuclear Facilities Safety Board (DNFSB) commitments:

    a. Activities to meet Tri-Party Agreement milestones supporting River Corridor cleanup
    b. DNFSB facility safety actions
    c. Activities to meet Tri-Party Agreement near-term (FY02) milestones
    d. Activities to meet Tri-Party Agreement milestones for ongoing projects
    e. Activities to meet Tri-Party Agreement milestones for new start projects
    f. DNFSB Programmatic actions

4. Compliance with other environmental requirements (i.e., E.O. 12088; federal, state, and local environmental statutes and regulations; DOE environment, safety, and health [ES&H] orders).

5. All other requirements.

Table 1-1. Priority Guidelines and Priority Order for Conducting RL's "Cleanup Progress" Activities.

(Note: Project elements are provided as examples only, and are not intended to be all-inclusive)

1. Achieve Tri-Party Agreement milestones and DNFSB Commitments
   a. Activities to meet Tri-Party Agreement milestones supporting River Corridor cleanup:
      - Movement of spent nuclear fuels from K Basins, away from the Columbia River
      - Protection of the Columbia River through Vadose Zone and Groundwater Management (100 Areas)
      - 324 B-Cell Cleanup
      - Cleanup along the Columbia River
      - Reactor Interim Safe Storage

   b. DNFSB facility safety actions (e.g., 94-1 Improved Schedule for Remediation in Defense Nuclear Facilities Complex)
      - PFP Plutonium Stabilization

   c. Activities to meet Tri-Party milestones for ongoing projects
      - D&D of facilities
      - 200 Area Strategy Implementation

   d. Activities to meet Tri-Party milestones for ongoing projects
      - Protect the Columbia river through Vadose Zone and Groundwater Management (200 Areas)
      - Waste treatment and disposal.

   e. Activities to meet Tri-Party Agreement milestones for new projects.

   f. DNFSB programmatic actions (e.g., 98-1 Resolution of DOE Internal Oversight Findings, 97-2 Criticality Safety)

2. Compliance with other environmental requirements (i.e., E.O. 12088, state and federal laws, DOE ES&H orders).
   - PFP deactivation
   - 324/327 deactivation

3. All other requirements

Table 1-2. Overarching Guidelines.

1. Activities resulting in significant environmental safety and health risk reduction should be provided with preferential support.

2. Activities resulting in significant mortgage reductions should be provided with preferential support over other activities with similar risk and compliance drivers.

3. Technology development and deployment that is expected to more effectively and efficiently accomplish site cleanup is highly encouraged.

4. Project managers must work with EPA and Ecology to set priority lists for individual mission area.

5. No major swings in the workforce for base projects should occur from year to year.

6a. Avoid ramp-up/down for one year; then ramp-down/up the next year

6b. Avoid large ramp-ups in one year.

If a project proposes to adjust these guidelines, a thorough justification must be provided.

1.2.5 Prioritization Logic

The logic represents the major elements of the ER Project that support development of the site integrated priority list (Tables 1-1 and 1-2) and reflects the ER level of detail.

The prioritization logic for the ER Project is depicted in Figure 1-2. Major elements in the prioritization logic are as follows.

"Base Operation" activities are items that must be accomplished irrespective of the funding scenarios. In general, the scope, schedule, and cost of these items should be established prior to setting priorities for "Cleanup Progress" activities. "Base Operation" activities include both "Essential Safety Activities" and "Essential Services."

Essential Safety Activities: Those surveillance, maintenance, and support activities required to control existing material, waste, and facilities in a safe, stable condition. No remediation, stabilization, or disposal will occur except for safety-related conditions requiring immediate action.

Essential Services: These services involve work that is required to support cleanup activities within the overall budget. This includes work that is necessary to maintain and provide essential site services/infrastructure (e.g., analytical services, waste management services, HAMMER) in a "ready-to-proceed" condition, including actions needed to attain or maintain the compliance envelope for those services.

RL-Essential Activities (previously designated as "Must-Do's" or "RL-Managed," and also referred to as "community mandates"): These activities include those EM-funded efforts that are directed by RL, including state grants, PILT, HAB grants, declassification, and site-wide activities. RL establishes the scope, schedule, and cost for these activities.

"Cleanup Progress" activities are those items that involve doing work to achieve the results required for Hanford Site cleanup, including actions for safety issue resolution and those needed to attain or maintain the compliance envelope for those activities. Overall "Cleanup Progress" activities are as follows:

Those efforts that yield the greatest benefit for cleanup progress, risk reduction, and mortgage reduction. The Hanford Site's prioritization logic establishes a tradeoff among these three fundamental criteria.

Those efforts that are most vulnerable to changes in funding levels (either increases or decreases). A more refined set of priority guidelines is required to prescribe the tradeoff decisions needed to fit a viable and logical set of activities into the target funding constraints.

In summary, Hanford Site activities must be prioritized as follows:

Base Operation

1. Essential Safety.
2. Essential Services.

Cleanup Progress

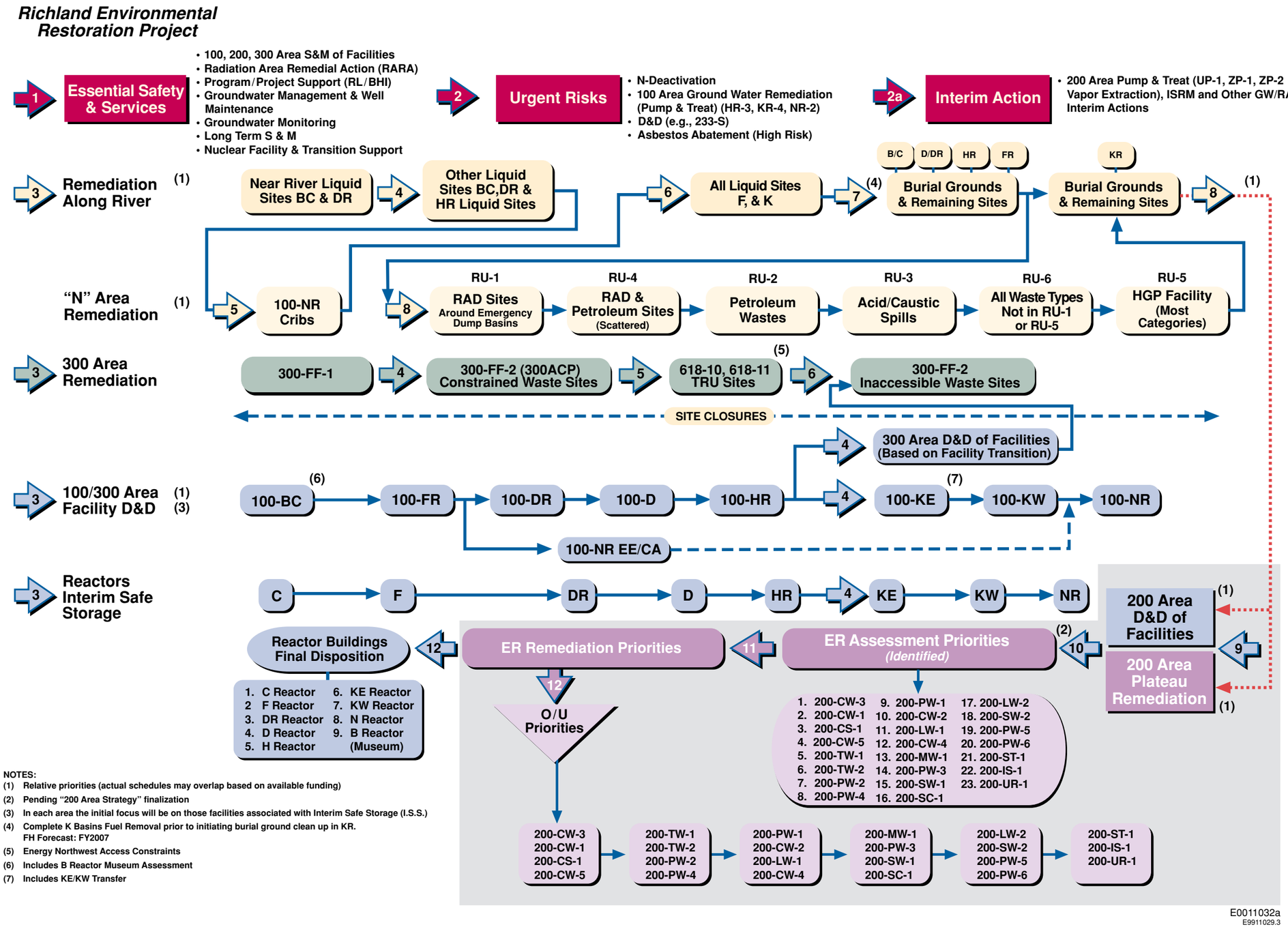
3. Achieve Tri-Party Agreement milestones and Defense Nuclear Facilities Safety Board (DNFSB) commitments:

    a. Activities to meet Tri-Party Agreement milestones supporting River Corridor cleanup
    b. DNFSB facility safety actions
    c. Activities to meet Tri-Party Agreement near-term (FY02) milestones
    d. Activities to meet Tri-Party Agreement milestones for ongoing projects
    e. Activities to meet Tri-Party Agreement milestones for new start projects
    g. DNFSB Programmatic actions

4. Compliance with other environmental requirements (i.e., E.O. 12088; federal, state, and local environmental statutes and regulations; DOE environment, safety, and health orders).

5. All other requirements.

Figure 1-2. Long Range Plan Prioritization Logic.



NOTES:
(1) Relative priorities (actual schedules may overlap based on available funding)
(2) Pending "200 Area Strategy" finalization
(3) In each area the initial focus will be on those facilities associated with Interim Safe Storage (I.S.S.)
(4) Complete K Basins Fuel Removal prior to initiating burial ground clean up in KR. FH Forecast: FY2007
(5) Energy Northwest Access Constraints
(6) Includes B Reactor Museum Assessment
(7) Includes KE/KW Transfer

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1.3 WORK BREAKDOWN STRUCTURE

The following restructured WBS depicts the Program Baseline Summary (PBS) level down to a restructured Level IV. (The scope contained in this volume reflects the River Corridor Final Closure and Spent Nuclear Fuel portion of the WBS. Definition of River Corridor Final Closure and Spent Nuclear Fuel scope is included in Section 2.0 of this document.)

1.4 PRIMARY DRIVERS AND KEY INTERFACES

For River Corridor Final Closure and Spent Nuclear Fuel a reliable framework has been established for working with the regulators, stakeholders, Tribal Nations, and trustees. The primary driver for River Corridor Final Closure and Spent Nuclear Fuel is the Tri-Party Agreement. The interfaces are accomplished through regular meetings with the regulators, both at individual project and management levels, as well as HAB meetings, trustee meetings, and "nation-to-nation" meetings between DOE and the four Tribal Nations. This framework supports continuous efforts to improve an understanding and integration of the needs of regulators, Tribal Nations, trustees, and stakeholders. Integration of Tri-Party Agreement requirements through the key interfaces provides for the significant strategic involvement of all interested and concerned parties in decisions that affect the River Corridor.

1.4.1 Tri-Party Agreement

The Tri-Party Agreement is the primary driver for the ER scope in the River Corridor Final Closure and Spent Nuclear Fuel volume. It is a legally enforceable agreement signed by the EPA, Ecology, and DOE. The Tri-Party Agreement defines the following:

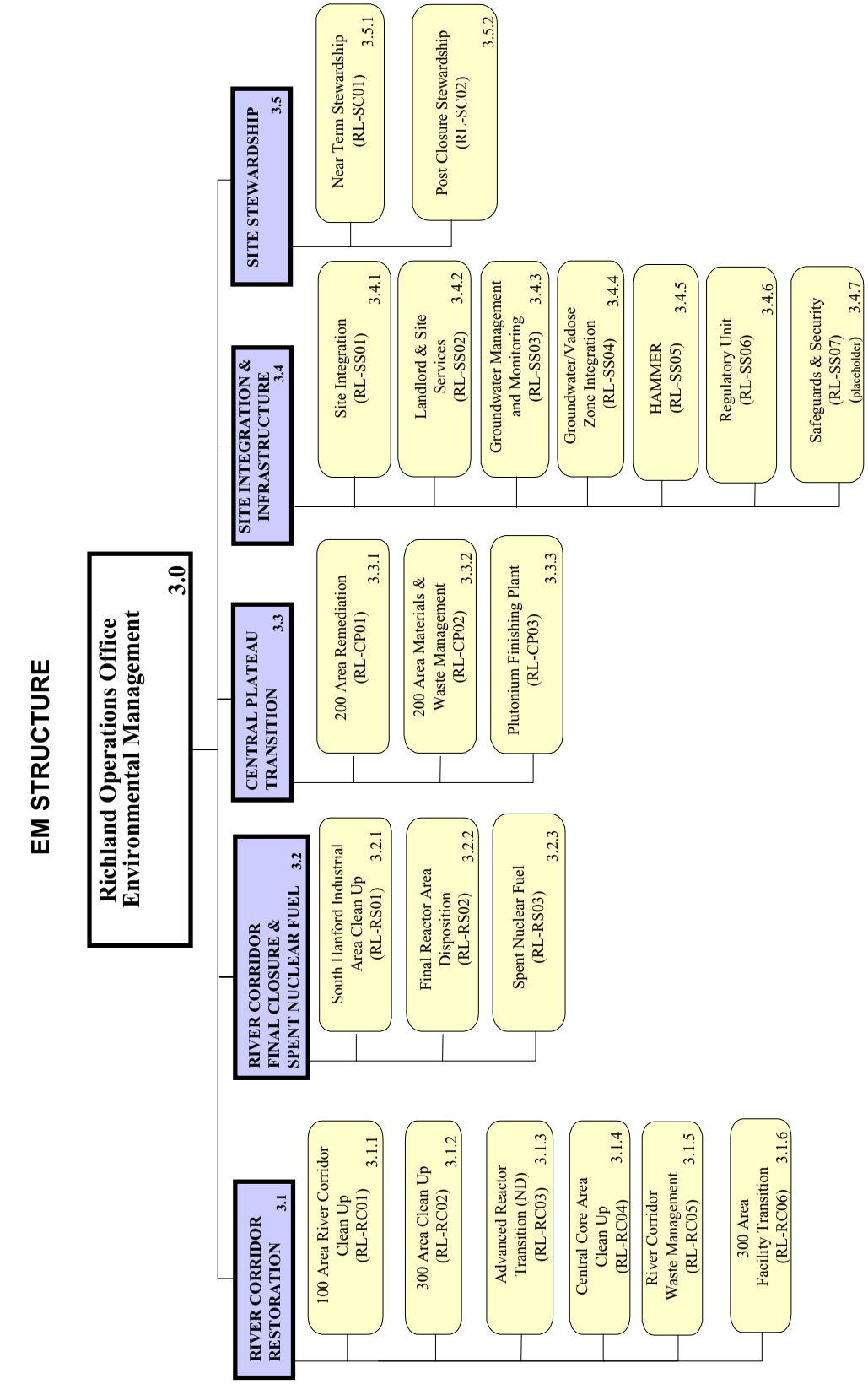
- Regulatory requirements
- Enforceable milestones subject to stipulated penalties and citizen suit enforcement rights
- Monthly meetings with regulators and DOE senior management to discuss project status and current issues
- Daily interfaces between DOE, regulators, and project managers
- Regulator participation in the planning, prioritization, and review of budget request documentation.

1.4.2 Hanford Advisory Board

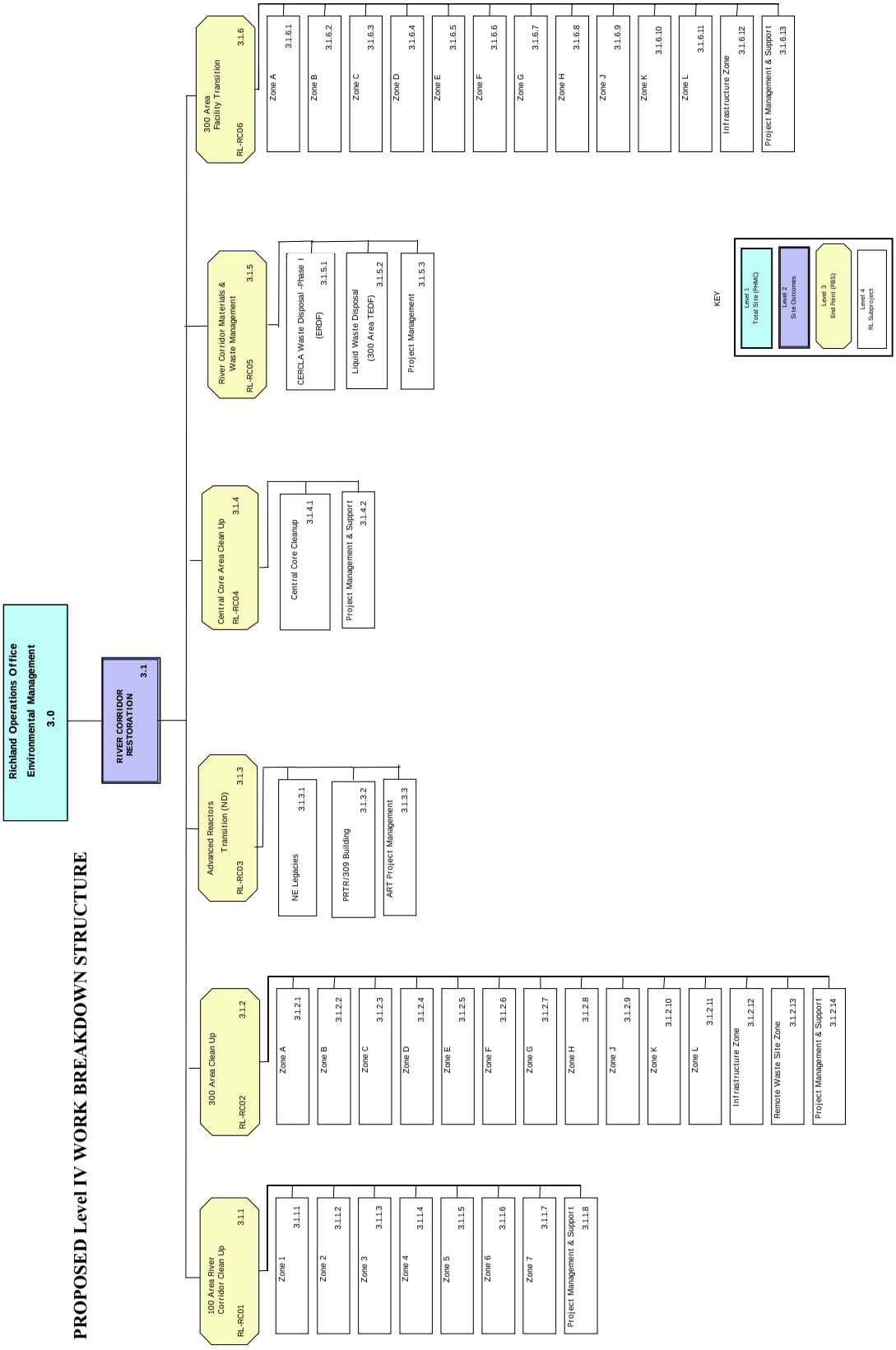
The HAB consists of members representing special interest groups, local governments, state governments, employees, and regulators. The HAB process includes regularly scheduled meetings of the following HAB subsets:

- The main board, to discuss project status and issues
- The Dollars and Sense Committee, to discuss planning and budget request activities
- The ER Committee and other mission-specific committees, to discuss mission-specific issues
- An ad hoc group, to ensure participation of the HAB in Hanford Site strategic planning
- The Environmental, Safety, and Health Committee, to discuss safety and health issues.

Figure 1-3. RL-WBS and PBS Restructuring – Level IV Development. (5 Pages)

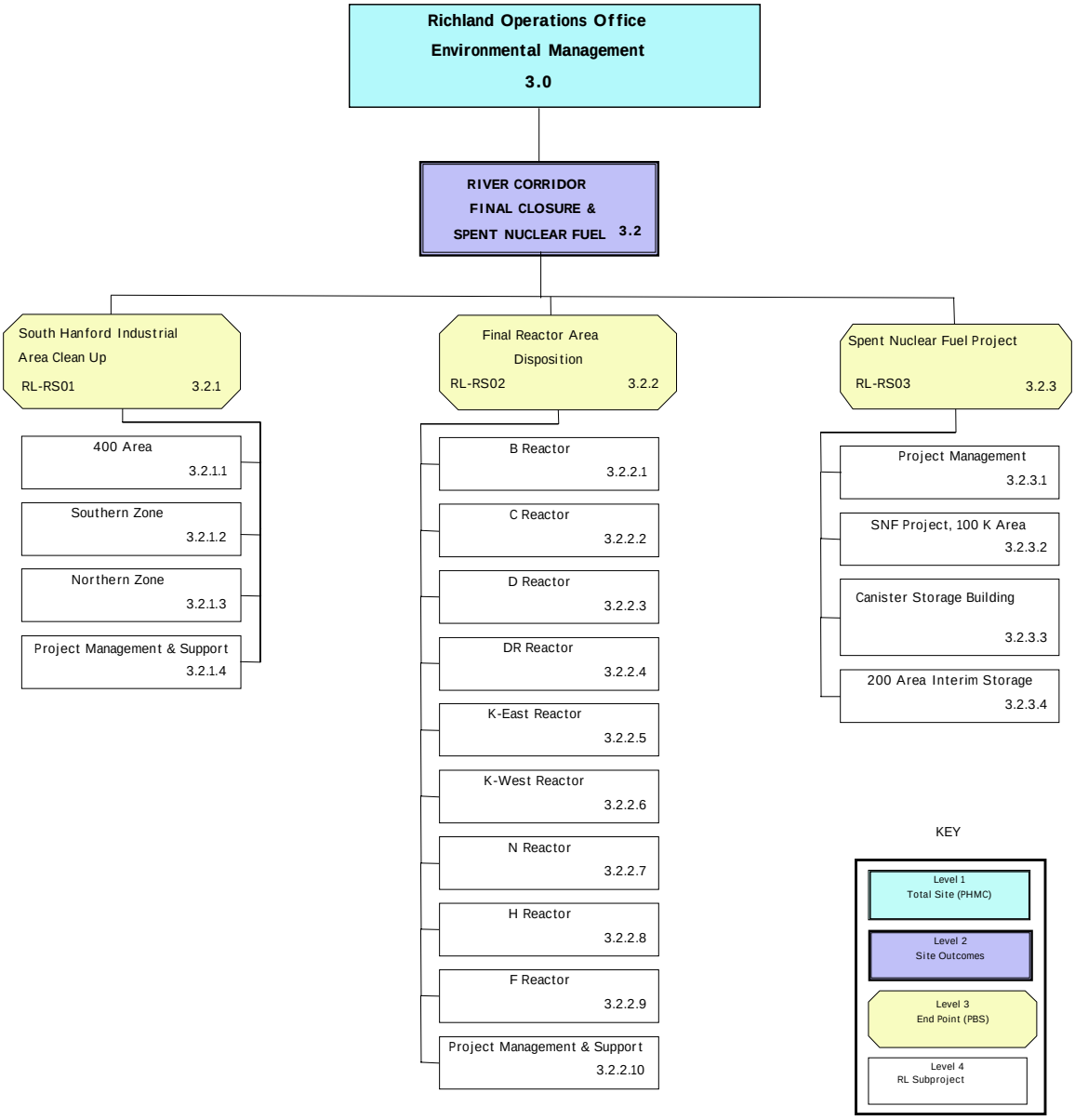


PROPOSED LEVEL IV WORK BREAKDOWN STRUCTURE



PROPOSED Level IV WORK BREAKDOWN STRUCTURE

PROPOSED LEVEL IV WORK BREAKDOWN STRUCTURE



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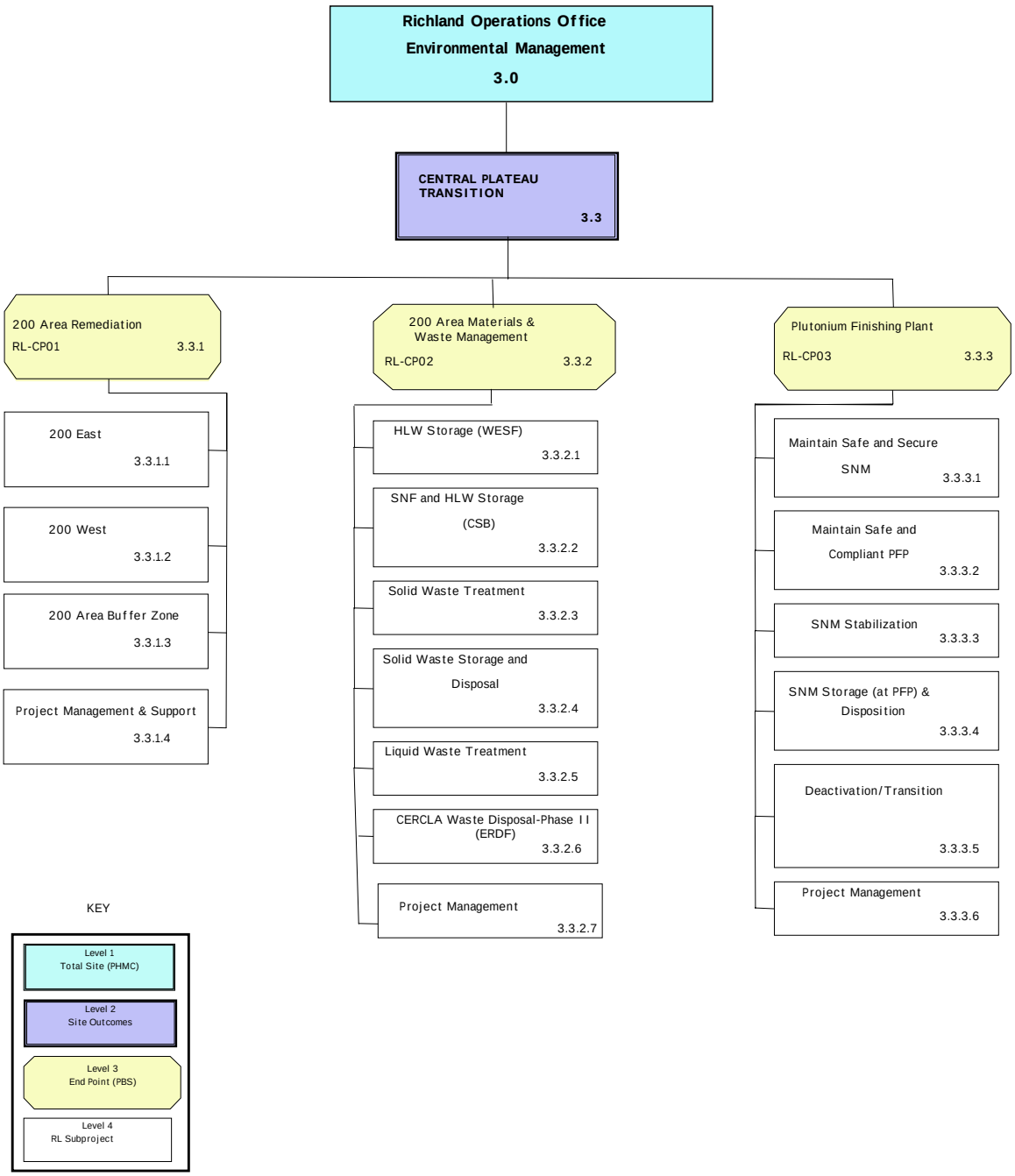
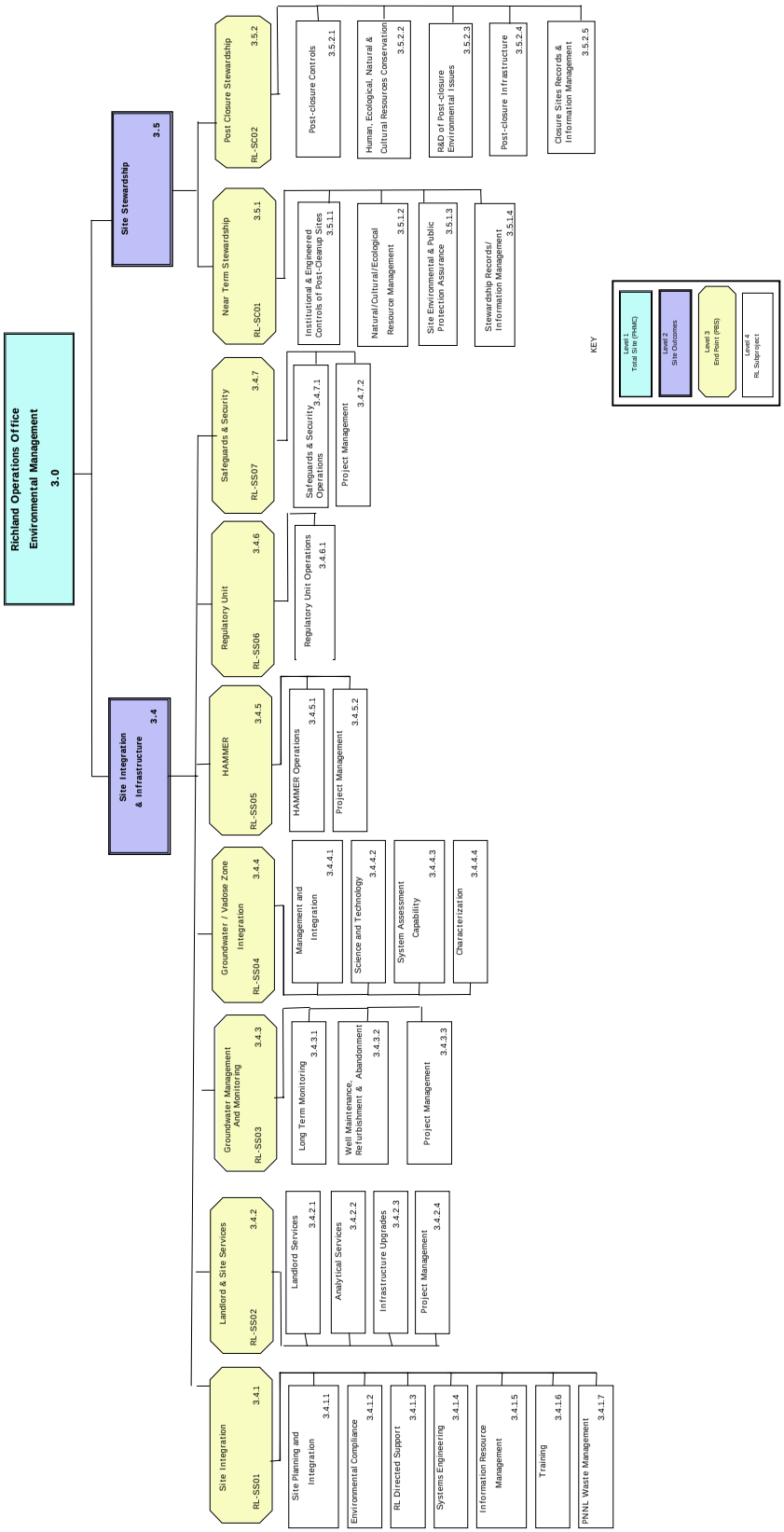


PROPOSED LEVEL IV WORK BREAKDOWN STRUCTURE



1.4.3 Long Range Plan Schedules

The Long-Range Plan (LRP) Summary Schedules are displayed in Figures 1-4. The portion of the current ER contract scope that is contained within this River Corridor Final Closure and Spent Nuclear Fuel volume is highlighted in Figure 1-4 (ER LRP).

The ER LRP is developed based on input from the regulators, stakeholders, RL, and Bechtel Hanford, Inc. (BHI) project managers and staff. Through a continuing dialogue, priorities are established and reflected in the prioritization logic. These priorities are then used to sequence assessment and remediation activities. In ER LRP updates, prior to fiscal year 1999 (FY99), a constrained funding profile, by year, was provided for sequencing work activities. Beginning with the FY99 update, the constrained funding approach was replaced with direction to sequence activities with respect to the prioritization logic and the funding profile required to support regulatory compliance. This ER LRP update (Rev. 3) reflects a constrained funding case required to support a technically sound, cost-effective profile per the directed Preferred Schedule Options Case (PSOC) provided in the Budget Update Guidance (Letter 01-MPD-005, dated October 31, 2000) that meets or displays the impacts of not meeting current enforceable regulatory (Tri-Party Agreement) milestones. The Rev. 3 update supports minimum safe operations, mitigation of urgent risks, and required essential services for the ER Project.

The primary assumptions that drove the changes to this update of the ER LRP schedule are as follows:

- Per the RL Budget Update Guidance (BUG) provided in two phases:
  - Update FY01 per BUG Phase I (completed with issuance of the FY01-FY03 DWP), incorporating revised planning for FY01 per the target funding and site integrated priority list (IPL) prioritization of scope to be funded in FY01, including adjustments to address emerging scope issues.
  - Update FY02 and beyond per BUG Phase II (supercedes the DWP for FY02 and FY03), incorporating the PSOC for FY02 through lifecycle, including a recast of updated baselines into the revised WBS/PBS, supporting the Hanford Site Outcomes, and compilation of the associated site outcome binders.
- 200 Area remedial action activities have been impacted by lack of sufficient funding to maintain out-year commitments. Revisions to 200 Area remediation schedules have been incorporated into this LRP update per the approved new 200 Area strategy. Negotiations with the regulators will continue for establishment of new near-term and out-year Tri-Party Agreement milestones.
- Potential inaccessible sites in the 200/300 Areas are included in the remedial action compliance profile, per the PSOC, but may require adjustment or exclusion from existing Tri-Party Agreement milestones as additional planning and integration with other site activities is performed.
- F and DR Reactor ISS activities (accelerated into FY98, FY99, and FY00) will be continued after December 2000, pending receipt of additional funding authorization; activities will continue in FY02 to support planned interim compliance milestones, as well as overall planned compliance milestone M-93-00, "Complete Reactors on the River D&D by 9/30/28."

- The initiation and continuation of 100-NR remediation will continue to precede 100-FR and 100-KR remediation.

- Groundwater monitoring and groundwater/vadose zone management and integration will be included.

- Emerging issue requirements including tritium investigations at the 618-11 Burial Ground will continue to be supported.

- BEMR cost estimates continue to be included, as follows:

  – Assumptions/estimates are based on the current ER Project contingency analysis, as applied to the BEMR analysis, with the exception of the BEMR D&D estimates, which remained at 38%.

  – Waste disposal and transport costs associated with BEMR Facility D&D are retained in the ERDF estimate.

Time-sensitive activities (S&M, long-term S&M, Project Management and Support) are estimated and adjusted based on project duration and current negotiated contract terms. Per this update, the overall mission completion date remains FY46, to align with current site completions and stewardship assumptions.

River Corridor Final Closure and Spent Nuclear Fuel Baseline

Richland Environmental Restoration Project

Long Range Plan

Rev 3 - Jan 2001
FY 2001 Preferred Schedule Option Case

Outcome-Based Work Breakdown Structure

	PBS RL #	Funding ($ In Billions)	Area / Description		Fiscal Year
RA/WD	ERO1	$ 0.2	100-AREA	COMMON	
			100-DR	REMEDIATION	
			100-BC	REMEDIATION	
			100-KR	REMEDIATION	
			100-FR	REMEDIATION	
			100-HR	REMEDIATION	
			100-NR	REMEDIATION	
GW/VZ	ERO2	$ 0.1	200 NPL	COMMON	
			Process Condensate/Process Waste		
			Steam Cond./Cooling Water/ Chem. Sewer		
			Chemical Laboratory		
			Miscellaneous Waste		
			Tank/Scavenged Waste		
			Tanks/Lines/Pits/Diversion Boxes		
			Unplanned Release		
			Septic Tanks and Drain Fields		
			Landfills and Dumps		
			Other Operable Units		
RA/WD	ERO3	$ 0.1	300-FF	ASSESSMENT	
				REMEDIATION	
	ERO4	$ 0.2	ERDF	TRANS/DISPOSAL	
				CELL CONSTRUCTION	
				WASTE DISP	
S&M	ERO5	$ 0.2	Surveillance & Maintenance	Transition Facilities 100, 200,& 300 Areas	
	ERO7	$ 0.0	Long Term Surveillance & Maintenance		
DECOMMISSIONING	ERO6	$ 0.1	100 Area	COMMON	
			100-DR	FACILITIES	
				D/DR REACTORS	
			100-BC	FACILITIES	
				B/C REACTORS	
			100-KR	FACILITIES	
				KE/KW REACTORS	
			100-FR	FACILITIES	
				F REACTOR	
			100-HR	FACILITIES	
				H REACTOR	
			100-NR	FACILITIES	
				N REACTOR	
			200 Area	D&D	
			300 Area/BEMR	D&D	
GW/VZ	VZO1	$ 0.0	VADOSE	GW/VZ MGMT & INT	
	ERO8	$ 0.2	100/200	COMMON	
			100-HR-3	PUMP & TREAT	
			100-KR-4	PUMP & TREAT	
			100-NR-2	PUMP & TREAT	
			200-UP-1	PUMP & TREAT	
			200-ZP-1	PUMP & TREAT	
			200-ZP-2	VAPOR EXTRACTION	
			Groundwater Management	GW Monitoring Well Decommissioning	
N	ERO9	$ 0.1	100-N Area Deactivation		
PM&S	ERO10	$ 0.6	Program Mgmt. & Support		
TOTAL PBS $		$ 1.8	MAJOR MILESTONES		

	PBS RL #	Funding ($ In Billions)	Area / Description		Fiscal Year
RCR	RC01	$ 1.3	100-NPL	COMMON	
			100-DR	REMEDIATION	
			100-BC	REMEDIATION	
			100-KR	REMEDIATION	
			100-FR	REMEDIATION	
			100-HR	REMEDIATION	
			100-NR	REMEDIATION	
			S/M&T	100 AREA S&M	
			100 Area	Common	
			100 Area	Facilities	
			100-Area	Reactor ISS	
			Groundwater	Area COMMON	
			100-Area P&T	HR-3, KR-4, NR-2	
	RC02	$ 0.2	300-FF	300-FF-1&2	
			S/M&T	300 AREA S&M	
			300 Area	Facilities	
	RC04	$ 0.0	S/M&T	200 AREA S&M	
			200 AREA	Remedial Actions	
	RC05	$ 2.2	ERDF	TRANS/DISPOSAL	
				CELL CONSTR	
				BEMR WASTE DISP	
			S/M&T	TRANSITION FACILITIES	
RCS	RS01	$ 1.2	300-FF	300-FF-2	
			S/M&T	300 AREA S&M	
			300 AREA	BEMR Facilities	
	RS02	$ 1.1	S/M&T	REACTOR S&M	
			100 Area	Reactor Final Disposition	
CP	CP01	$ 5.6	200 NPL	Common	
			Process Condensate/Process Waste		
			Steam Cond./Cooling Water/Chem. Sewer		
			Chemical Laboratory		
			Miscellaneous Waste		
			Tank/Scavenged Waste		
			Tanks/Lines/Pits/Diversion Boxes		
			Unplanned Release		
			Septic Tanks and Drain Fields		
			Landfills and Dumps		
			Groundwater	200-Area Common	
			200 Area P&T	PO-1, UP-1, ZP-1	
			VES	200-ZP-2	
			S/M&T	200 AREA S&M	
			200 Area	Facilities	
	CP02	---	ERDF	TRANS/DISPOSAL	
				CELL CONSTR	
				BEMR WASTE DISP	
SI&I	SS01	$ 0.5	Site Integration	Program Management	
	SS03	$ 1.1	GW Mgmt & Monitoring	Site-Wide Monitoring	
				Well Decommissioning	
	SS04	$ 0.3	Groundwater/Vadose Zone Integration		
SS	SC01	$ 0.0	Near Term Stewardship		
TOTAL PBS $		$13.7	MAJOR MILESTONES		

Technology Insertion Points (TIPs)

T1	100 Area BG	FY01
T2	200 Area Soils & BG	FY01
T3	300-FF-2 RA	FY06
T4	100 Area Strontium GW RA	FY04
T5	100 Area Chromium GW RA	FY04
T6	200 Area Carbon Tetrachloride GW RA	FY04
T7	200 Area Surface Barrier for CDI	FY06
T8	100 Area Asbestos Abatement for 105-KE/KW/N	FY04
T9	Expert System for Reactor ISS Characterization	FY07
T10	Heavy Concrete Demolition for 105-D/H	FY03
T11	GW/VZ Field Investigations at Representative Sites	FY04
T12	Develop Descriptions of VZ Containment Flow & Transport	FY04
T13	Understand & Quantify VZ Water Movement	FY03
T14	Groundwater/River Interface Study	FY02
T15	GW/VZ Soil Waste Site Inventories & Selected Models	FY02
T16	GW/VZ Risk Assessment	FY03

Transition Facilities & Transition Years

1	UO_3	FY95
2	308 Fac	FY96
3	100-N	FY97
4	PUREX	FY99
5	B-Plant	FY99
F3	WESF	2020
F4	PFP Complex	2015
F5	PFP Vault	2029
F6	K-Basins	2007
F7	200 Area Fac	2036
F8	FFTF	2034
F9	324 Area Fac	2007
F10	T-Plant	2022
F11	327 Fac	2008
F12	309 Fac	2012
F13	Nuc Energy Fac	2037
F14	308 Fac	2012
F15	PNNL Fac	2030
F16	WSCF	2019
F17	306 Fac	2006

Abbreviations

BG	Burial Grounds
CC	Cell Closure
CP	Central Plateau Transition
CPT	Complete
D&P	Design & Procurement
FAC	Facility
FD	Final Disposition
GW/VZ	Groundwater/Vadose Zone
ISS	Interim Safe Storage
LS	Liquid Sites
LT	Long Term
P&T	Pump & Treat
RA	Remedial Action
RA/WD	Remedial Action/ Waste Disposal
RD	Remedial Design
RS	Remaining Sites
RCR	River Corridor Restoration
RCS	RC Final Closure & Spent Nuclear Fuel
SC	Site Closures
S&M	Surveillance & Maintenance
SI&I	Site Integration & Infrastructure
SS	Site Stewardship
TSD	Treatment Storage Disposal Sites
VES	Vapor Extraction System

Reactor Final Disposition

All Reactor D & P	FY16-18
105-B Museum	FY15-30
105-C	FY17-21
105-D	FY19-23
105-DR	FY19-22
105-F	FY19-24
105-H	FY19-25
105-KE	FY19-26
105-KW	FY19-27
105-N	FY19-28

Schedule Key

- ASSESSMENT
- REMEDIATION
- TRANS/DISPOSAL
- CONSTRUCTION
- S&M and LT S&M
- FACILITIES D&D
- INTERIM SAFE STORAGE
- FINAL DISPOSITION
- GW/VZ
- GW MONITORING
- PROGRAM MGMT. & SUPPORT
- TARGET
- ACTUAL COMPLETION
- COMPLETE
- TIPS

Project Completion 2046

E0011141.2
01/09/01

FH to provide Long Range Plan narrative and schedule.

1.4.4 River Corridor Final Closure and Spent Nuclear Fuel PBS Dollars

This section (Table 1-3) provides the total costs by PBS through project completions for ER and FH scope included in this River Corridor Final Closure and Spent Nuclear Fuel volume.

Table 1-3. Costs by Program Baseline Summary ($000).

Costs by PBS ($000)						
PBS #	**Description**	**Prior Years**	**FY01**	**FY02**	**FY03**	**FY04**
RS01**	South Hanford Industrial Area Clean Up	42,283	0	3,528	3,630	7,631
RS02	Final Reactor Disposition	25,074	0	0	0	0
RS03*	Spent Nuclear Fuel					
	Total	67,357	0	3,528	3,630	7,631

* Data to be provided by FH
**Portions to be provided by FH

Costs by PBS ($000)						
PBS #	**Description**	**FY05**	**FY06**	**FY07**	**FY08**	**FY09**
RS01	South Hanford Industrial Area Clean Up	7,795	8,254	8,260	9,058	9,827
RS02	Final Reactor Disposition	0	0	0	0	0
RS03	Spent Nuclear Fuel					
	Total	7,795	8,254	8,260	9,058	9,827

Costs by PBS ($000)						
PBS #	**Description**	**FY10**	**FY11**	**FY12-16**	**FY17-21**	**FY22-26**
RS01	South Hanford Industrial Area Clean Up	10,910	10,612	504,073	191,707	72,909
RS02	Final Reactor Disposition	0	0	105,152	455,853	419,966
RS03	Spent Nuclear Fuel					
	Total	10,910	10,612	609,225	647,560	492,875

Costs by PBS ($000)						
PBS #	**Description**	**FY27-31**	**FY32-36**	**FY37-41**	**FY42-46**	**PBS Totals**
RS01	South Hanford Industrial Area Clean Up	74,232	98,770	86,770	136,606	1,286,855
RS02	Final Reactor Disposition	110,321	0	0	0	1,116,366
RS03	Spent Nuclear Fuel					0
	Total	184,553	98,770	86,770	136,606	2,403,221

1.4.5 Tribal Nations

The Tribal Nations have requested "nation-to-nation" interfaces with DOE to discuss issues. Additionally, Tribal Nations involvement includes ongoing participation in the following activities:

- The Natural Resource Trustee Council (NRTC)
- DOE planning and budget request meetings
- The Hanford Cultural Resources Management Program.

The four Tribal Nations are the Confederated Tribes of the Umatilla Indian Reservation, the Yakama Indian Nation, the Nez Perce Tribe, and the Wanapum People.

1.4.6 Natural Resource Trustee Council

The NRTC consists of representatives from the Yakama Indian Nation; the Confederated Tribes of the Umatilla Indian Reservation; the Nez Perce Tribe; the State of Washington (represented by Ecology and the Washington Department of Fish and Wildlife); the State of Oregon (represented by the Oregon Department of Energy); the U.S. Department of Interior (represented by the U.S. Fish and Wildlife Service and the Bureau of Land Management); and the U.S. Department of Commerce (represented by the National Oceanic and Atmospheric Administration).

RL meets monthly with the natural resource trustees concerning cleanup activities. The objectives of these meetings include ensuring that natural resource values are fully integrated with Hanford Site decision-making processes, encouraging the development of site-wide natural resource management planning, and establishing good stewardship principles.

1.5 INSTALLATION DESCRIPTION

The Hanford Site operational history, environmental setting, and environmental conditions are presented below.

1.5.1 Operational History of the Hanford Site

In 1943, under the auspices of the Manhattan Project, the U.S. Army Corps of Engineers selected the Hanford Site as a location for nuclear reactor and spent fuel processing facilities (Figure 1-5). The Hanford Site mission was to produce plutonium for use in nuclear weapons development. This mission required a large complex that included nuclear reactors (to produce plutonium), chemical processing (to separate and purify plutonium), waste management practices (to store and dispose of nuclear waste), and research (to support the overall Hanford Site mission). Table 1-4 summarizes the operational history of the primary facilities that supported the Hanford Site defense mission.

Beginning operations in 1944, nine production reactors (located in the 100 Areas of the Hanford Site) produced irradiated uranium for chemical processing operations. These reactors irradiated approximately 100,000 metric tons of uranium fuel. Eight of the reactors were graphite-moderated and used Columbia River water for once-through cooling. These reactors were shut down by 1971. The ninth reactor, a dual-purpose reactor (N Reactor), used recirculating water coolant and produced both plutonium and steam for electricity. N Reactor operated until 1987, and its deactivation was completed in 1998.

At least nine test reactors were also constructed and operated at the Hanford Site. The first operational reactor was the 305 Test Pile, located in the 300 Area. The 305 Test Pile operated from 1944 to 1972; it was dismantled and buried in 1977. Two subsurface experimental reactors were housed in the 305-B Building. The Physical Constants Test Reactor (PCTR) began operations in 1955. It was removed in 1970. The second reactor in the 305-B Building, the Thermal Test Reactor (TTR), was acquired in 1954 from the Knolls Atomic Power Laboratory. The TTR was shut down in 1978, and much of the equipment was removed.

A Training Research Isotopes, General Atomics (TRIGA) reactor was emplaced in the 308 Building in the late 1970s. The 308 Building has been deactivated. The Plutonium Recycle Test Reactor (PRTR) was a heavy-water moderated test reactor located within the 309 Building in the 300 Area. This facility, which was operational from 1960 to 1972, has been retired and deactivated. A second reactor, the Plutonium Recycle Critical Facility (PRCF), was contained within 309-E. The PRCF operated from 1963 to 1976; it was buried within the 200 Area in 1989.

The High-Temperature Lattice Test Reactor (HTLTR), contained within the 318 Building, operated from 1968 to1972. The HTLTR was removed in 1982. Experiments designed to improve graphite pile efficiency and safety were conducted in small-scale reactors within the basement laboratories of the Pile Technology Building (the 326 Building) between 1953 and 1961. These experiments were transferred to the Critical Mass Laboratory (209-E) in the 200 Areas in 1961. The 209-E Building housed a small test reactor within the "reactor room." Experimentation ceased in the 209-E Building in 1988.

Figure 1-5. Location of the Hanford Site.

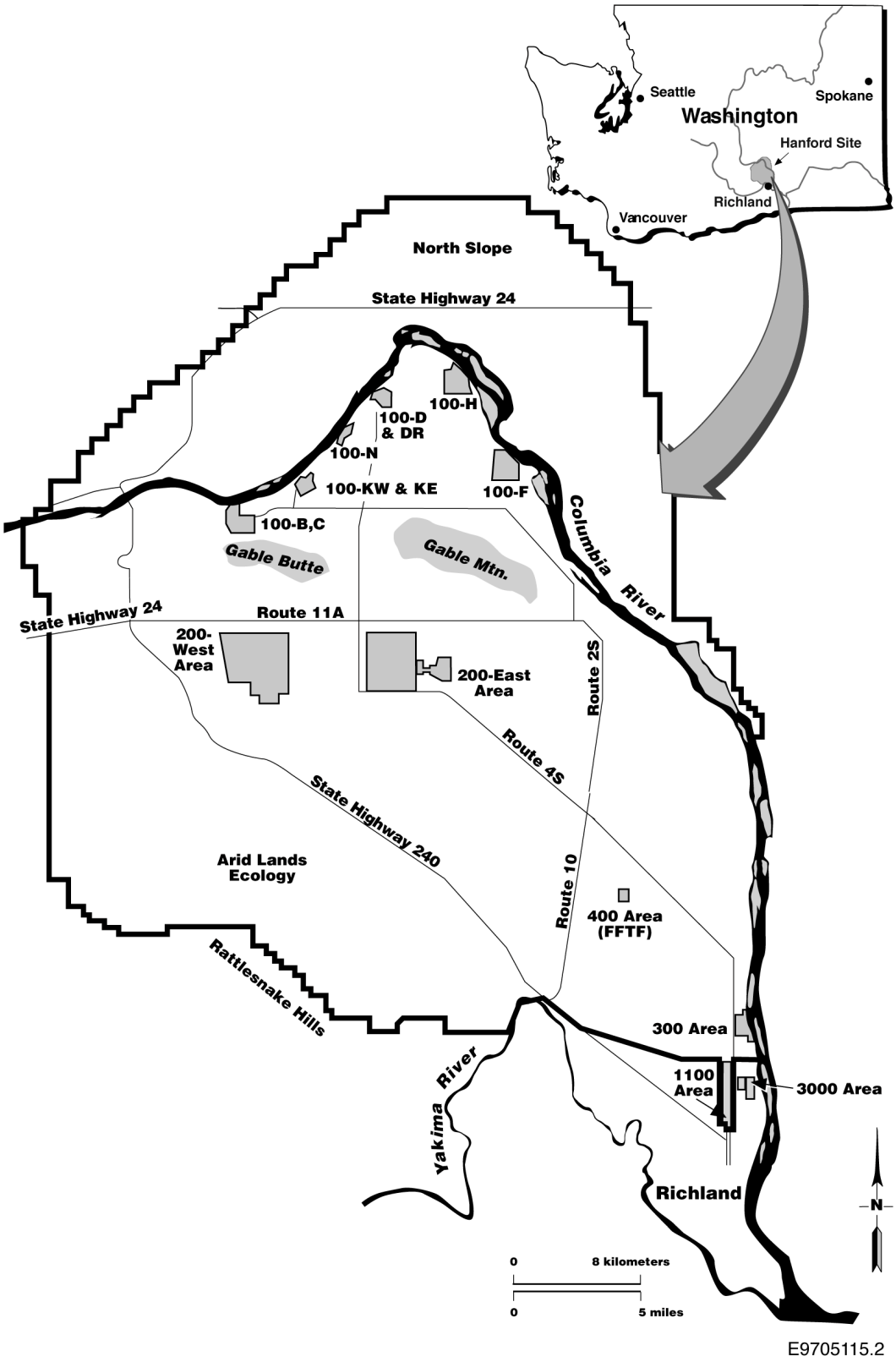


Table 1-4. History of Operations for EM Program Facilities at the Hanford Site.

Type of Operation	Operating Period	Hazardous Substances/Activities	Map Reference
Production Reactors			
B Reactor	1944 to 1968	AFP, TRU, Haz, Asb, Rad Equip	100-BC Area
D Reactor	1944 to 1967	AFP, TRU, Haz, Asb, Rad Equip	100-D Area
F Reactor	1945 to 1965	AFP, TRU, Haz, Asb, Rad Equip	100-F Area
H Reactor	1949 to 1965	AFP, TRU, Haz, Asb, Rad Equip	100-H Area
DR Reactor	1950 to 1965	AFP, TRU, Haz, Asb, Rad Equip	100-D Area
C Reactor	1952 to 1969	AFP, TRU, Haz, Asb, Rad Equip	100-BC Area
KW Reactor	1955 to 1970	AFP, TRU, Haz, Asb, Rad Equip, Irr Fuel	100-K Area
KE Reactor	1955 to 1971	AFP, TRU, Haz, Asb, Rad Equip, Irr Fuel	100-K Area
N Reactor	1963 to 1987	AFP, TRU, Haz, Asb, Rad Equip	100-N Area
Test Reactors			
PRTR	1961 to 1968	AFP, TRU, Haz, Asb, Rad Equip	300 Area
FFTF	1980 to 1994	AFP, TRU, Haz, Asb, Rad Equip, Irr Fuel	400 Area
Fuel Reprocessing			
T Plant	1944 to 1956	AFP, TRU, Haz, Asb, Rad Equip	200 West Area
B Plant	1945 to 1952	AFP, TRU, Haz, Asb, Rad Equip	200 East Area
REDOX	1952 to 1967	AFP, TRU, Haz, Asb, Rad Equip	200 East Area
PUREX	1955 to 1972	AFP, TRU, Haz, Asb, Rad Equip	200 East Area
Nuclear Materials Processing			
UO_3 Plant	1951 to 1972 and 1984 to 1989	AFP, TRU, Haz, Asb, Rad Equip	200 West Area
Plutonium Finishing Plant	1949 to 1980 and 1984 to 1992	AFP, TRU, Haz, Asb, Rad Equip, SNM	200 West Area
U Plant Uranium Recovery	1952 to 1957	AFP, TRU, Haz, Asb, Rad Equip	200 West Area
Fuel Fabrication	1943 to 1967	Haz, Rad Equip, Asb, Uranium	300 Area
By-Product and Waste Processing			
Waste Scavenging (U Plant)	1953 to 1957	AFP, TRU, Haz, Asb, Rad Equip	200 West Area
Cs and Sr Recovery (B Plant)	1967 to 1979	AFP, TRU, Haz, Asb, Rad Equip	200 East Area
Cs and Sr Encapsulation (WESF)	1974 to 1985	AFP, Haz, Asb, Rad Equip	200 East Area
Waste Evaporators	1951 to 1989, 1 of 3 remains in service	AFP, TRU, Haz, Asb, Rad Equip	200 East and 200 West Areas
High-Level Liquid Waste Storage			
Single-Shell and Double-Shell Tanks	1944 to Present	AFP, TRU, Haz, Rad Equip	200 East and 200 West Areas

AFP = Radioactive Activation and Fission Products
Asb = Asbestos
Haz = Hazardous Materials
Irr Fuel = Irradiated Reactor Fuel
Rad Equip = Radioactively Contaminated Equipment
SNM = Special Nuclear Materials
TRU = Transuranic Materials

The Fast Flux Test Facility (FFTF), which is a sodium-cooled reactor located in the 405 Building of the 400 Area, was used to test fuels and materials for advanced nuclear power plants.

Additional information on these reactors is contained in the Historic Property Inventory Forms filed for each building (*http://www.hanford.gov/docs/rl-97-1047/index.htm*).

Chemical processing operations during defense production activities generated high-level radioactive liquid wastes. About 245 million liters (65 million gallons) of high-level waste are stored at the Hanford Site, in 177 large underground tanks. The tanks, divided into 18 groups (or "farms"), are located in the 200 Areas. Of the original single-shell tanks, 66 of the 149 have leaked or are assumed to have leaked a combined amount of about 3.8 million liters (1 million gallons) of contaminated liquid to the unsaturated soil column (vadose zone). The 28 double-shell tanks that were built since 1968 have an improved design for better containment (tank within a tank), and have not leaked.

The solid waste generated from past operations consists of low-level radioactive waste, low-level mixed waste, transuranic (TRU) waste, and hazardous waste. The current inventory of solid waste that is buried or stored in underground trenches and above-ground facilities is about 87,000 m^3 (114,000 yd^3) in the 100 Areas, 379,000 m^3 (495,000 yd^3) in the 200 Areas, and 159,000 m^3 (208,000 yd^3) in the 300 Area. Currently, the only active Hanford Site waste management sites for DOE-related wastes are located in the 200 Areas. A commercial low-level radioactive waste disposal facility, operated by US Ecology, is located on Washington State leased land southeast of the 200 East Area.

After more than 40 years of operations, the Hanford Site plutonium production mission has been completed, leaving a large amount of nuclear waste as part of its legacy. By volume, two-thirds of all the nuclear waste in the DOE complex is stored or disposed at the Hanford Site. Over 1,500 contaminated waste sites associated with reactor areas, chemical processing areas, and fuel processing areas have been identified. Starting in 1986, the Hanford Site mission began changing from plutonium production to environmental restoration and remediation. Today, the Hanford Site mission is mainly directed toward environmental restoration.

1.5.2 Environmental Setting

The Hanford Site lies within the semi-arid Pasco Basin of the Columbia Plateau, in south-central Washington State (Figure 1-5). Public access to this land is restricted. Only about 6% of the total Hanford Site surface land area has been affected by Hanford Site operations.

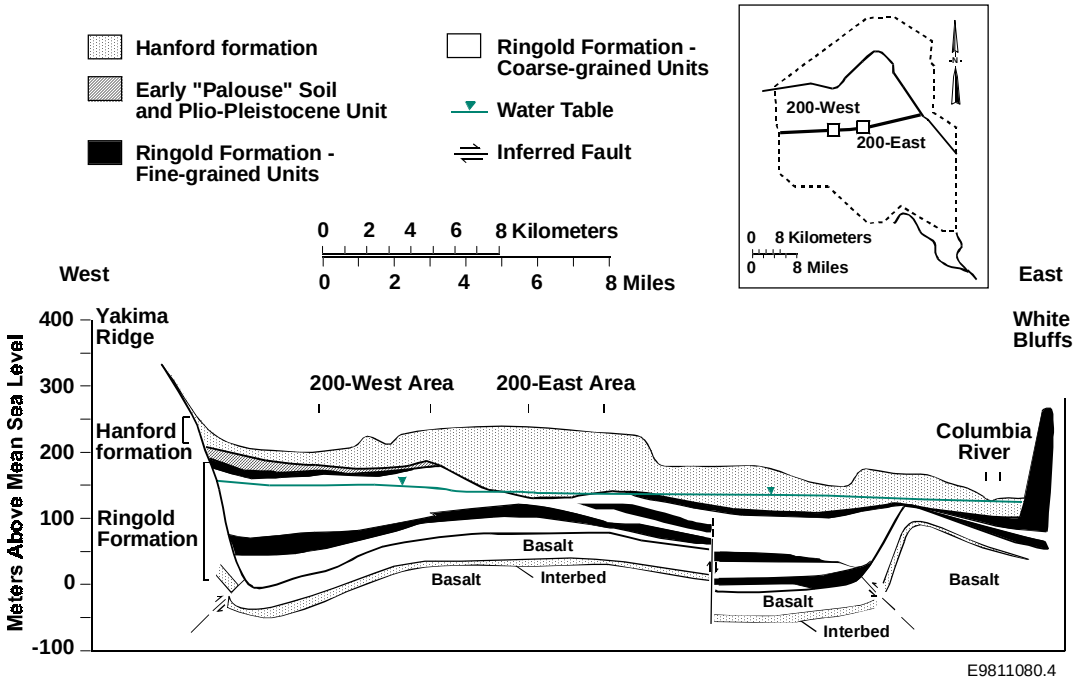
1.5.2.1 Climate and Meteorology. The average annual precipitation at the Hanford Site is 16 cm (6.3 in.). Most precipitation occurs during the winter, with more than half of the annual amount occurring from November through February. The prevailing wind direction is from the northwest, in all months of the year, with frequent strong winds from the southwest. Daily maximum average temperatures range from 2°C (35°F) in late December and early January to 35°C (95°F) in late July. The annual average relative humidity is 54%. Humidity is highest during the winter months, averaging about 75%, and lowest during the summer, averaging about 35%.

1.5.2.2 Geology. The major geologic units in the Hanford Site area are the Miocene Columbia River Basalt Group (CRBG) and intercalated sedimentary rocks of the Ellensburg Formation. These are overlain by younger (Mio-Pliocene) sedimentary rocks of the Ringold Formation, the early "Palouse" soil/ Plio-Pleistocene Unit, and the Pleistocene cataclysmic flood deposits of the Hanford formation (Figure 1-6).

The CRBG, which comprises the principal rock unit at the Hanford Site, is a sequence of flood basalt flows that erupted between 6 and 17 million years ago. The Ellensburg Formation consists of a series of sedimentary units that are interbedded between many of the basalt flows of the CRBG. The Ringold Formation overlies the youngest basalt flow, and consists of semi-consolidated clay, silt, pedogenically altered sediment, fine- to coarse-grained sand, and granule-to-cobble gravel. The primary facies of the Ringold Formation include fluvial gravels, fluvial sands, overbank deposits and paleosols, and lacustrine deposits. Ringold strata typically are situated below the water table.

The Plio-Pleistocene Unit is made up of sandy gravels that separate the Hanford formation and the Ringold Formation in the east-central Cold Creek syncline and at the east end of the Gable Mountain anticline (east and south of the 200 East Area). These gravels are up to 25 m (75 ft) thick. Along the western margin of the site, the "Palouse" soil separates the two formations. The Hanford formation consists of pebble- to boulder-sized gravel, and fine- to coarse-grained sand and silts that are unconsolidated deposits from ice age flooding of the area. The Hanford formation generally lies above the water table throughout most of the Hanford Site, except in the 100 and 300 Areas.

Figure 1-6. Major Geological Units at the Hanford Site.



1.5.2.3 Hydrology.

1.5.2.3.1 Surface Water Hydrology. Surface water at the Hanford Site includes the Columbia River (northern and eastern sections), riverbank springs along the river, springs on Rattlesnake Mountain, onsite ponds, and offsite water systems directly east of and across the Columbia River. In addition, the Yakima River flows along a short section of the southern boundary of the Hanford Site.

1.5.2.3.2 Vadose Zone Hydrology. The hydrology in the vadose zone is influenced by the texture of the geologic units in the Hanford formation, the thickness of the unsaturated sequence, low precipitation, and high evapotranspiration. These conditions significantly influence the time required for contaminants to reach the water table. Perched water is known to occur beneath active release sites, and is located above fine-grained sediments.

1.5.2.3.3 Groundwater Hydrology. The unconfined aquifer generally occurs in the semi-consolidated silts, sands, and gravels of the Ringold Formation. These sediments were deposited by the Columbia River as it meandered across the central Pasco Basin several million years ago. The Ringold Formation is less transmissive to water than Hanford formation sediments. The aquifer ranges in saturated thickness from 0 m (near the margins of the Pasco Basin) to approximately 60 m (200 ft) near the center of the Basin.

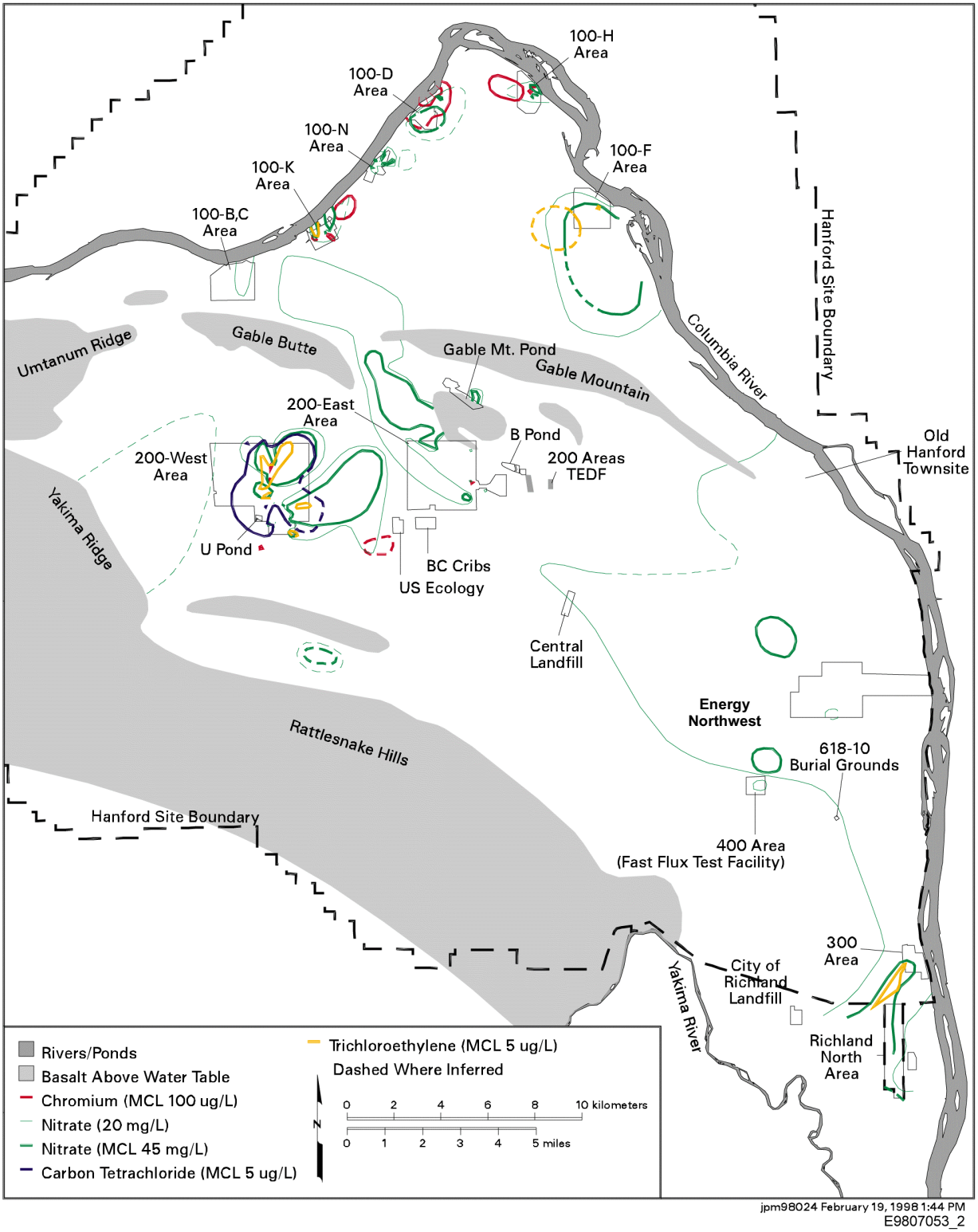
Both natural and artificial sources of water recharge the aquifers within the Pasco Basin. The most significant volume source is irrigation water from the Columbia Basin Project, although the influence is limited to the area north of the Columbia River. Artificial recharge caused by Hanford Site operations historically has produced major groundwater mounds in the 200 East and 200 West Areas. The reduction or cessation of waste disposal has resulted in declines in water table elevations, and has changed contaminant plume characteristics.

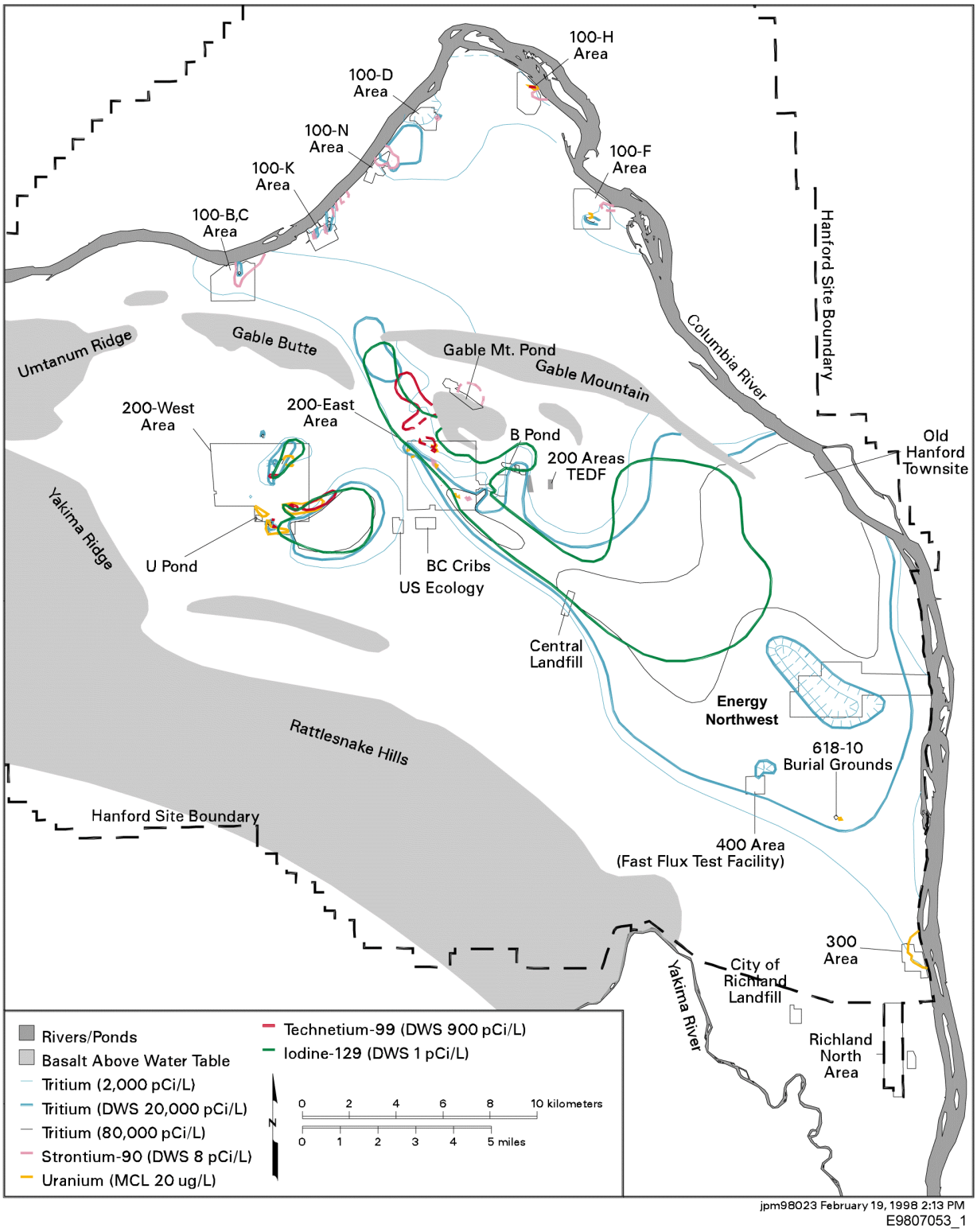
Groundwater plumes move in directions that are approximately perpendicular to the water table elevation contours. Chemical and radiological contaminants detected in the groundwater above the DWS are shown in Figures 1-7 and 1-8. During the Hanford Site's operating history, changes in the volume of liquid waste disposed to the vadose zone have altered the shape of the water table, resulting in alterations to migration patterns.

The interaction between Hanford Site groundwater and the Columbia River is an important element in assessing contaminant impacts on the river system. River water moves in and out of the banks during daily stage fluctuations, causing variable water quality characteristics in shoreline monitoring wells. In addition, the interface zone between the river and the aquifer has characteristics that may retard or modify contaminants that are transported by groundwater.

1.5.2.4 Water Quality of the Columbia River. The Hanford Reach is the last remaining free-flowing section of the Columbia River in the United States above Bonneville Dam.

The State of Washington has classified the stretch of the Columbia River from the Grand Coulee Dam to the Washington-Oregon border (which includes the Hanford Reach) as Class A, Excellent. Those waters that are classified as Class A waters are suitable for essentially all uses, including raw drinking water, recreation, and wildlife habitat. State and federal DWS apply to the Columbia River, and are currently being met. Radionuclides detected in the river during 1994 included tritium, strontium, iodine, plutonium, and uranium.


100-H Area
100-D Area
100-N Area
100-K Area
100-B,C Area
100-F Area
Hanford Site Boundary
Columbia River
Umtanum Ridge
Gable Butte
Gable Mt. Pond
Gable Mountain
200-East Area
200-West Area
B Pond
200 Areas TEDF
Old Hanford Townsite
Yakima Ridge
U Pond
BC Cribs
US Ecology
Central Landfill
Energy Northwest
Rattlesnake Hills
618-10 Burial Grounds
Hanford Site Boundary
400 Area (Fast Flux Test Facility)
300 Area
City of Richland Landfill
Yakima River
Richland North Area
Rivers/Ponds
Basalt Above Water Table
Chromium (MCL 100 ug/L)
Nitrate (20 mg/L)
Nitrate (MCL 45 mg/L)
Carbon Tetrachloride (MCL 5 ug/L)
Trichloroethylene (MCL 5 ug/L)
Dashed Where Inferred
0 2 4 6 8 10 kilometers
0 1 2 3 4 5 miles
jpm98024 February 19, 1998 1:44 PM
E9807053_2


100-H Area
100-D Area
100-N Area
100-K Area
100-B,C Area
100-F Area
Hanford Site Boundary
Columbia River
Umtanum Ridge
Gable Butte
Gable Mt. Pond
Gable Mountain
200-West Area
200-East Area
B Pond
200 Areas TEDF
Old Hanford Townsite
Yakima Ridge
U Pond
BC Cribs
US Ecology
Central Landfill
Energy Northwest
618-10 Burial Grounds
Rattlesnake Hills
Hanford Site Boundary
400 Area (Fast Flux Test Facility)
300 Area
City of Richland Landfill
Yakima River
Richland North Area
Rivers/Ponds
Basalt Above Water Table
Tritium (2,000 pCi/L)
Tritium (DWS 20,000 pCi/L)
Tritium (80,000 pCi/L)
Strontium-90 (DWS 8 pCi/L)
Uranium (MCL 20 ug/L)
Technetium-99 (DWS 900 pCi/L)
Iodine-129 (DWS 1 pCi/L)
N
0 2 4 6 8 10 kilometers
0 1 2 3 4 5 miles
jpm98023 February 19, 1998 2:13 PM
E9807053_1

Radionuclide measurements of total alpha and total beta concentrations were similar to the previous year, or approximately 5% or less of the applicable DWS of 15 and 50 pCi/L, respectively. Tritium measurements continue to be below state and federal DWS. Nonradiological constituents detected in the river consist mostly of metals and anions, in concentrations below state and federal DWS. All nonradiological water quality standards are met for this Class A-designated water.

Groundwater contaminants from the Hanford Site's past waste disposal practices continue to enter the Columbia River from riverbank springs and seeps, as well as from the interface between the riverbed and groundwater. Aluminum, chromium VI, iron, manganese, nitrate, and trichloroethylene, as well as strontium, technetium, tritium, and uranium, are entrained in groundwater plumes that intersect the river along the 100 Area shoreline. Plumes containing aluminum, iodine, iron, manganese, nitrate, technetium, and tritium enter the river along the portion of shoreline extending from the old Hanford Townsite to below the 300 Area. Chromium VI and uranium plumes, along with past and current discharges (per National Pollutant Discharge Elimination System [NPDES] permit), enter the river along the 300 Area shoreline. The contaminant concentrations in spring water are typically similar to, but lower than, those found in near-shore groundwater wells. Chromium VI, in excess of federal ambient water quality criteria for the protection of aquatic life, has been detected at the riverbed/ groundwater interface in localized portions of the 100 Area shoreline. Chromium VI levels in this pore water are above protective ambient water quality criteria levels. Those areas of contamination are not located in river sediments suitable for salmon spawning.

1.5.2.5 Ecology. The ecology of the Hanford Site is characterized as a shrub-steppe ecosystem. Fifteen different soil types have been described, varying from sand to silt and sandy loam. Shrub-steppe ecosystems are typically dominated by a shrub overstory with a grass understory. The existing plant communities at the Hanford Site are becoming increasingly more important from an ecological perspective. Expanding agricultural and urbanization developments in the Columbia Basin region continue to destroy and fragment the few remaining large tracts of shrub-steppe habitat. The shrub-steppe habitat is considered a priority habitat by the State of Washington because of its relative scarcity, and because of its requirement as nesting/breeding habitat for several state and federal species of concern. A survey of Hanford Site plants and animals by the Nature Conservancy of Washington conducted between 1994 and 1997 discovered 40 species and 2 subspecies of insects and 3 plants that are new to science. This report stated that the Hanford Site is now known to support more than 112 populations of 28 rare native plant taxa, making the Hanford Site a botanical island of diversity in the shrub-steppe of the lower Columbia Basin.

Several areas, totaling 670 km^2 (260 mi^2) on the Hanford Site, have been designated for research or as wildlife refuges. These include the Fitzner Eberhardt Arid Lands Ecology (ALE) Reserve, the Saddle Mountain National Wildlife Refuge, and the Wahluka Slope Wildlife Area. All are managed by the U.S. Fish and Wildlife Service.

Large portions of the Hanford Site were burned in a wildfire during June 2000. Grasses and forbs are expected to return only if there is a viable seed bank and precipitation is received during the winter of 2000-2001.

1.5.2.5.1 Vegetation. Of the 590 species of vascular plants recorded for the Hanford Site, approximately 20% are considered non-native. Native shrublands occupy the largest area in terms of acreage, and comprise seven of the nine major plant communities at the Hanford Site. Of the shrubland types, sagebrush-dominated communities are the predominant type, with other

shrub communities varying with changes in soil and elevation. Common shrubs include native big sagebrush, three-tip sagebrush, antelope bitterbrush, gray rabbitbrush, and spiny hopsage. Common native grasses include bluebunch wheatgrass, Sandberg's bluegrass, needle-and thread grass, Indian ricegrass, bottlebrush squirreltail, and prairie junegrass. Cheatgrass has replaced many native perennial grass species, and is well established in many low-elevation (<244 m [800 ft]) and/or disturbed areas. Trees afford a unique terrestrial habitat at the Hanford Site. Currently, approximately 23 species of trees occur on the site. The most commonly occurring species are black locust, Siberian elm, cottonwood, mulberry, sycamore, Russian olive, and poplar. Many of these non-native species are aggressive colonizers, and have become established along the Columbia River (e.g., mulberry, poplar, Siberian elm), serving as a functional component of the riparian zone.

Riparian habitat includes sloughs, backwaters, shorelines, islands, and palustrine areas associated with the Columbia River floodplain. Vegetation that occurs along the river shoreline includes emergent water milfoil, water smartweed, pondweed, sedge, reed canarygrass, and bulbous bluegrass. Trees include willow, mulberry, and Siberian elm. Other riparian vegetation occurs in association with perennial springs, seeps, artificial ponds, and ditches on the Hanford Site.

Emergent riparian (wetland) habitat occurs infrequently along the Hanford Reach, and has important ecological significance because of the net loss of wetland habitat elsewhere within the region. Emergent species include reed canarygrass, common witchgrass, large barnyard grass, rushes, and sedges.

1.5.2.5.2 Wildlife. Included in the 290 species of terrestrial vertebrates observed on the Hanford Site are approximately 40 species of mammals, 240 species of birds, 3 species of amphibians, and 9 species of reptiles. Grasshoppers and darkling beetles are among the more conspicuous of the approximately 600 species of insects that have been found on the Hanford Site. Species of potential concern to remediation activities include mule deer, coyote, badger, beaver, black-tailed jackrabbit, Nuttall's Cottontail, the Great Basin pocket mouse, deer mouse, the bald eagle, ferruginous hawk, Swainson's hawk, burrowing owl, loggerhead shrike, long-billed curlew, sage sparrow, mallard duck, and Canada goose.

1.5.2.5.3 Aquatic Ecosystems. The Columbia River is the dominant aquatic ecosystem at the Hanford Site, and supports a large and diverse community of plankton, benthic invertebrates, fish, and other communities. The Columbia River has been dammed both upstream and downstream from the Hanford Site, and the reach flowing through the area is the last free-flowing, but regulated, section of the Columbia River in the United States above Bonneville Dam. No tributaries enter the Columbia during its passage through the Hanford Site.

There have been 44 species of fish identified in the Hanford Reach. Of these species, chinook salmon, sockeye salmon, coho salmon, and steelhead trout use the river as a migration route to and from upstream spawning areas, and are of the greatest economic importance. Both chinook salmon and steelhead trout also spawn in the Hanford Reach. Other fish of importance to tribal entities and sport fishermen are whitefish, shad, sturgeon, smallmouth bass, crappie, catfish, walleye, and perch. The destruction of other mainstream Columbia spawning grounds by dams has substantially increased the relative importance of the Hanford Reach spawning areas.

1.5.2.5.4 Threatened and Endangered Species. Threatened and endangered plants and animals identified at the Hanford Site, as listed by the state and federal governments, are shown in Table 1-5. No plants or mammals on the federal list are known to occur on the Hanford Site. There are, however, three species of birds and two fish on the federal list of threatened and endangered species, and several species of plants and animals that are under consideration for formal listing by both state and federal governments.

Several state and federal species of concern use the shrub-steppe habitat for nesting and breeding activities. Because of its importance to these species, and its relative scarcity, the State of Washington considers the shrub-steppe a priority habitat.

Table 1-5. Threatened (T) and Endangered (E) Species.

Common Name	Scientific Name	Federal	State
Mammals			
Pygmy rabbit[1]	*Brachylagus idahoensis*		E
Birds			
Aleutian Canada goose[2]	*Branta canadensis leucopareia*	T	T
American white pelican	*Pelecanus erythrorhychos*		E
Bald eagle	*Haliaeetus leucocephalus*	T	T
Ferruginous hawk	*Buteo regalis*		T
Peregrine falcon[2]	*Falco peregrinus*	E	E
Sandhill crane[2]	*Grus canadensis*		E
Western sage grouse	*Centrocercus urophasianus phaios*		T
Fish			
Steelhead trout	*Oncorhynchus mykiss*	E	
Spring-run chinook salmon	*Oncorhynchus tshawytscha*	E	
Plants			
Columbia milkvetch	*Astragalus columbianus*		T
Columbia yellowcress	*Rorippa columbiae*		T
Dwarf evening primrose	*Camissonia (=Oenothera) pygmaea*		E
Hoover's desertparsley	*Lomatium tuberosum*		T
Loeflingia	*Loeflingia squarrosa var. squarrosa*		T
Northern wormwood[1]	*Artemisia campestris borealis var. wormskioldii*		E
Umtanum desert buckwheat	*Eriognum codium*		E
White Bluffs bladderpod	*Lesquerella tuplashensis*		E
White eatonella	*Eatonella nivea*		T

[1]Probably not currently occurring on the site.
[2]Incidental occurrence.

1.5.2.6 Cultural History. The Hanford Site contains a fragile and extensive record of human occupation documenting a series of overlapping cultural landscapes stretching back thousands of years into the past. The Native American mythological, religious, and subsistence landscape expands upon and complements the archaeological landscape. Their combined resources encompass the continuum from time immemorial to the present. Resources relating to western settlement and agriculture largely characterize the pre-Hanford landscape from the 1850s to 1943. The transformation from an agrarian to an industrial landscape began with the Manhattan Project and continued throughout the Cold War era. This industrialization left behind its own distinctive set of resources purposely distributed across the land (see Section 2.1).

1.5.2.6.1 Native American Resources. The linkage between Native American people, the earth, the water, the sky, and all beings is perpetual and has existed "since time immemorial." Areas on the Hanford Site from which food and medicinal plants have always been and need to be gathered are dispersed across the landscape. Sacred and ceremonial places, many of which will never be revealed to non-native people, exist here. Story sites important in legends and teachings, and landmarks significant in creation mythology and tribal history, are found here. Such traditional cultural places, together with archaeological sites and artifacts, are the possessions of the ancestors extended to the living generations. In the traditional world, past, present, and future coexist in the foods that are eaten and ceremonies that are performed.

1.5.2.6.2 Archeological Resources. Archeological resources are more than artifacts. They are the tangible remains of prior cultures; they are irreplaceable links to the past. Archaeological sites, and the artifacts they contain, are the heritage that binds past Native American generations to generations yet unborn; they are the living places and burial grounds of distant but knowable people. Village sites, fishing camps, hunting stands, vision quest sites, and burials are among the types of archeological resources contained within the boundaries of the Hanford Site. Projectile point types indicate occupations from the Paleo-Indian period (ca. 12,000 years before the present) to the period of European contact. Radiocarbon dates extend from 8,000 years before the present to the contact period. The location of the site, the distribution of features, the arrangement of artifacts, and other characteristic are all used to answer the questions: Who lived here, what did they do while here, and when did they do it? Analysis and interpretation rely on context and pattern. Disturbances, whether natural or intentional, reduce or eliminate the potential for archeological sites to provide insight into past lifeways or environmental adaptations.

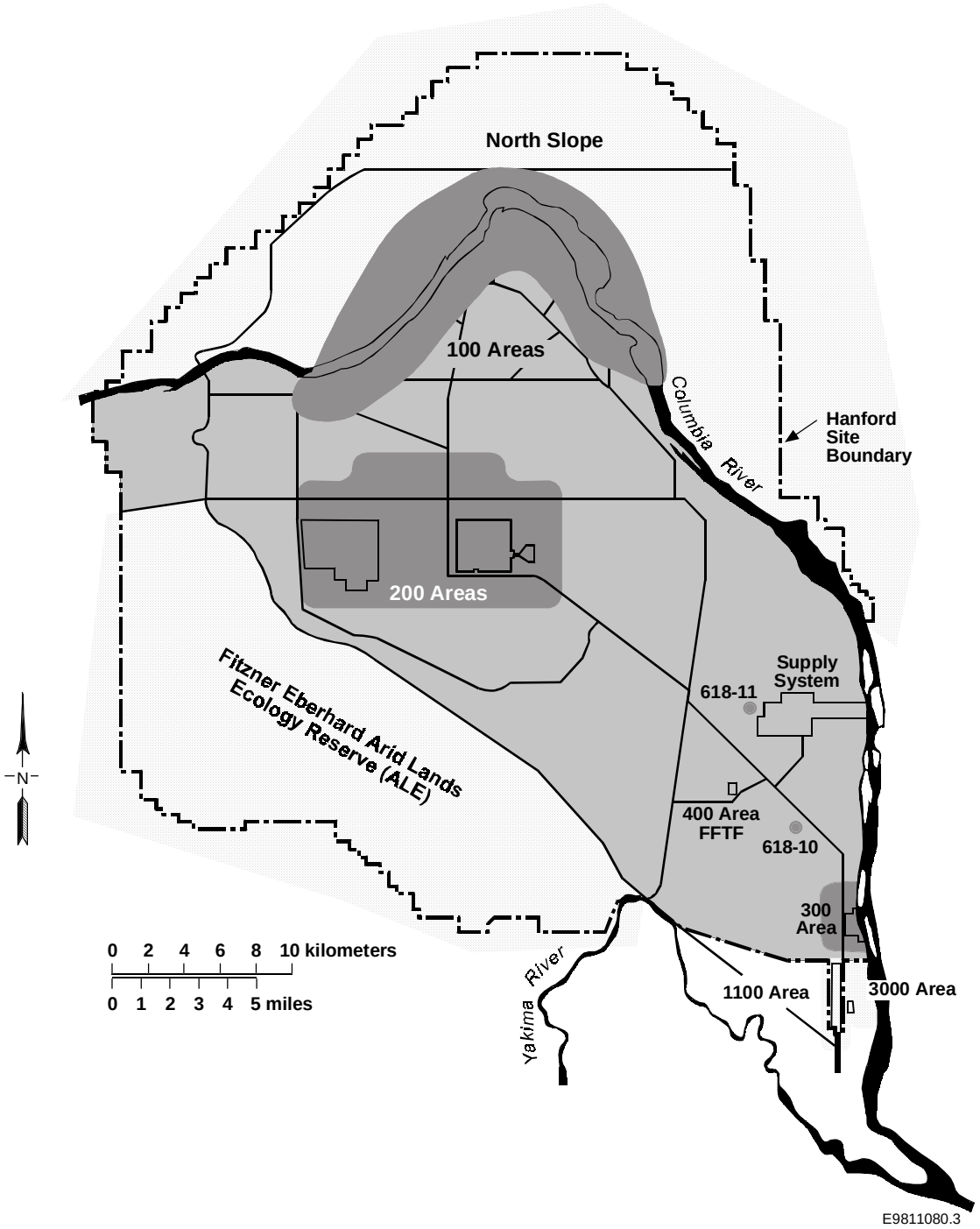
1.5.2.6.3 Historic Archeological Resources. Historic archeological resources are the physical remains of activities dating to the historic period. On the Hanford Site, these resources mark the locations where gold mining, stock raising, farming, and natural gas drilling took place from the 1850s to 1943. With the exception of six structures, which include such sites as the Hanford High School and the White Bluffs Bank, all other remnants of this pre-Hanford period have been razed.

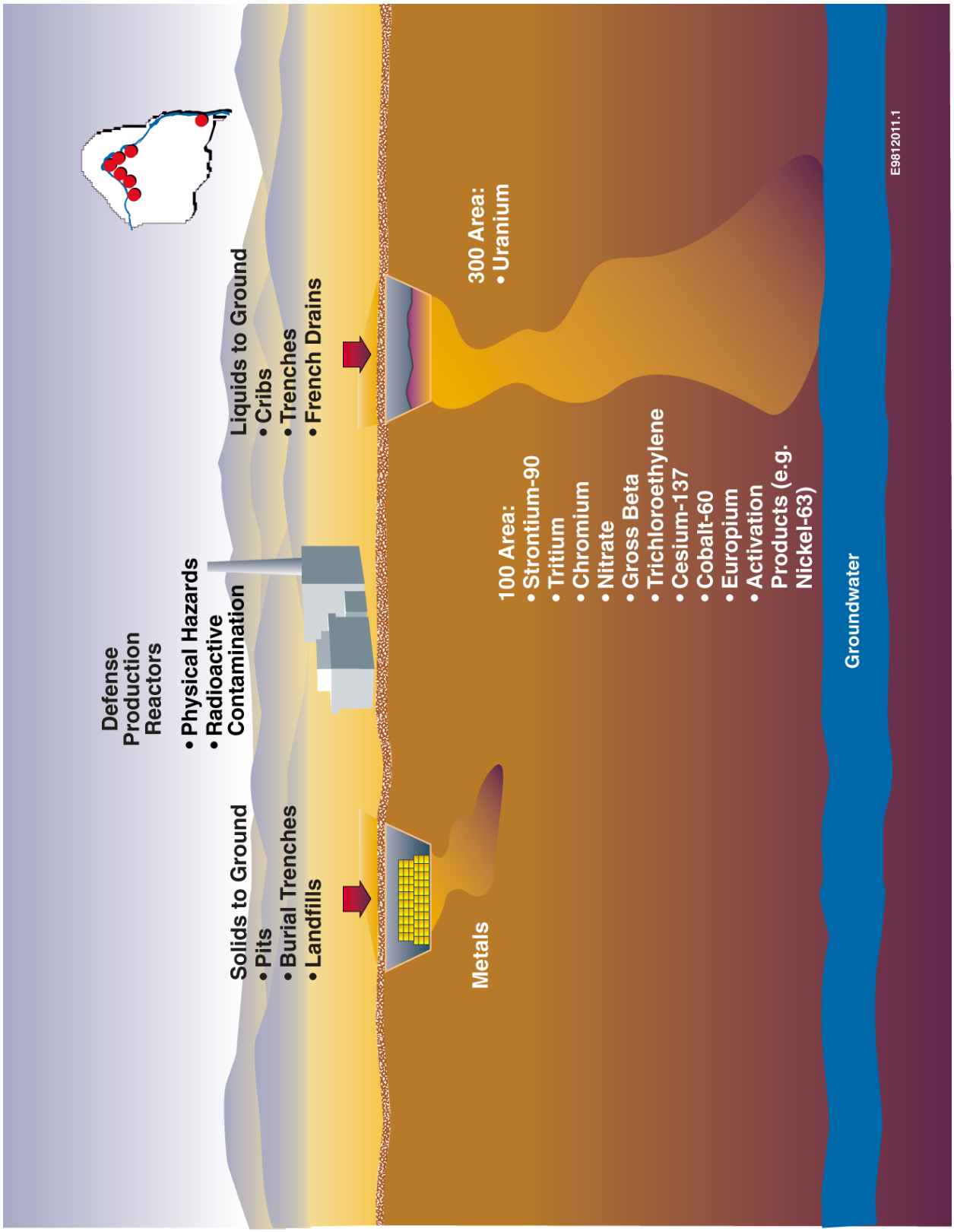
These cultural resources must be managed with vision, leadership, care, and responsibility.

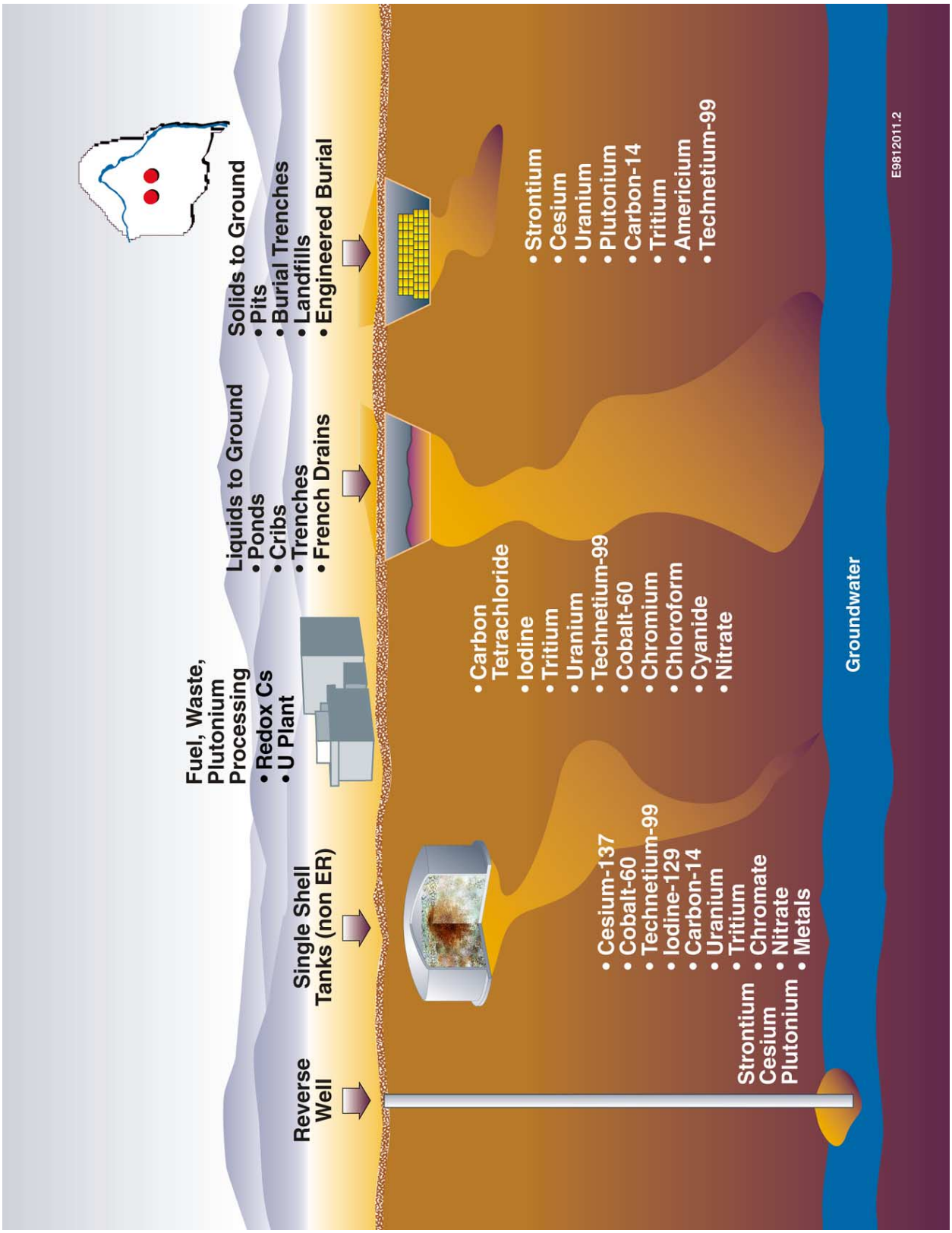
1.5.3 Environmental Condition of Property

Figure 1-9 depicts the general locations of Hanford waste sites, and related property areas that are being remediated by the current ER Project. Most waste sites requiring remediation are located in the 100, 200, and 300 Areas; however, some sites exist in the 600 Area that will also require remediation, or have already been remediated (e.g., North Slope sites and ALE). Figures 1-10 and 1-11 illustrate the location of principal contaminants that have been identified in the vadose zone (the soil layer above the water table). Some of these contaminants remain fixed in the vadose zone, while other contaminants, of a mobile nature, have migrated to the water table and have contaminated the groundwater above DWS. These figures provide specific information derived from process knowledge, historical data, and characterization/remediation efforts that have been completed to date.

Figure 1-9. General Locations of Hanford Waste Sites.




Defense Production Reactors
• Physical Hazards
• Radioactive Contamination
Solids to Ground
• Pits
• Burial Trenches
• Landfills
Liquids to Ground
• Cribs
• Trenches
• French Drains
Metals
300 Area:
• Uranium
100 Area:
• Strontium-90
• Tritium
• Chromium
• Nitrate
• Gross Beta
• Trichloroethylene
• Cesium-137
• Cobalt-60
• Europium
• Activation Products (e.g. Nickel-63)
Groundwater
E9812011.1


Reverse Well
Single Shell Tanks (non ER)
Fuel, Waste, Plutonium Processing
• Redox Cs
• U Plant
Liquids to Ground
• Ponds
• Cribs
• Trenches
• French Drains
Solids to Ground
• Pits
• Burial Trenches
• Landfills
• Engineered Burial
Strontium
Cesium
Plutonium
• Cesium-137
• Cobalt-60
• Technetium-99
• Iodine-129
• Carbon-14
• Uranium
• Tritium
• Chromate
• Nitrate
• Metals
• Carbon Tetrachloride
• Iodine
• Tritium
• Uranium
• Technetium-99
• Cobalt-60
• Chromium
• Chloroform
• Cyanide
• Nitrate
• Strontium
• Cesium
• Uranium
• Plutonium
• Carbon-14
• Tritium
• Americium
• Technetium-99
Groundwater
E9812011.2

1.6 SUMMARY PROJECT DESCRIPTIONS

The Hanford Sites' River Corridor area lies parallel to the Columbia River. It begins at the shores of the Columbia River and extends inland to include nearly all Hanford Site lands except for the "Central Plateau" approximately 195 km^2 (75 mi^2) in the middle of the Hanford Site. Successful closure of the river corridor will allow for much of the area to be available for other uses and shrink the site footprint for active Hanford Site cleanup operations to the Central Plateau. Most of the project activities are planned to be completed in approximately 10 to 15 years.

1.6.1 PBS Summary Descriptions

1.6.1.1 South Hanford Industrial Area Project (RS01 – WBS Level III). This project covers that portion of the Hanford Site (excluding the river corridor and the 300 Area) lying south of the Central Plateau, and adjacent to the 300 Area, and includes the 400 Area, the Energy Northwest Site and LIGO; and specifically includes the remediation of the 618-10 and 618-11 Burial Grounds (see map). The project also covers surveillance and maintenance (S&M) of these facilities pending final disposition. The deactivation and D&D of the remaining facilities and remediation of waste sites associated with these facilities in the 300 Area outside of the River Corridor Restoration (RC02) scope is also covered within the PBS. The scope in this PBS is comprised of portions of previous ER PBSs ER03, 300 Area Remedial Actions, ER05, S/M&T, ER06, D&D, ER10, PM&S, and portions of PHMC PBSs TP12, Transition Projects, and TP14, HSFP/300 Area Revitalization.

1.6.1.2 Final Reactor Area Disposition (RS02 – WBS Level III). The 100 Area lies at the north end of the Hanford Site, along the Columbia River. It is comprised of six non-contiguous reactor areas, containing over 400 waste sites, nine retired reactors and their ancillary facilities.

Eight of the nine reactors are currently scheduled to be placed in Interim Safe Storage (ISS) and the ninth (B Reactor) is being prepared to be a museum. The final disposition of the reactors is yet to be determined; however, the Surplus Production Reactor Decommissioning EIS has a preferred alternative of one-piece removal. This alternative is currently the baseline disposition for the purpose of preparing the lifecycle cost estimates. Because reactor final disposition could, based on interim safe storage (ISS) design life, be extended over a period approaching 100 years, it is separated from the other, more near term, 100 Area remediation activities (see PBS RC01). The scope in this PBS is comprised of portions of previous ER PBSs ER05, S/M&T, ER06, D&D, and ER10, PM&S.

The overall PBS work scope includes the following:

- Assessing the alternative reactor dispositions such that a ROD for final disposition of the reactors can be prepared.

- Preparing the remedial design and performing the remedial actions necessary to implement the ROD.

1.6.1.3 Spent Nuclear Fuel Project (RS03 – WBS Level III). The Spent Nuclear Fuel (SNF) mission on the Hanford Site supports the Hanford Mission to clean up the site by providing safe, economic, environmentally sound management of site SNF in a manner which stages it to onsite storage, initiates interim storage, and deactivates the associated 100 K Area facilities.

The SNF is to accomplish the following endpoints:

- SNF removal from K Basins, with the basins cleaned sufficient to transition to D&D.
- SNF removed offsite for final disposition (including Fast Flux Test Facility SNF).
- SNF transferred in interim storage at the Central Plateau (200 Area).

2.0 RIVER CORRIDOR FINAL CLOSURE AND SPENT NUCLEAR FUEL BASELINE TECHNICAL BASIS

2.1 DETAILED PROJECT DESCRIPTIONS

2.1.1 ER Baseline

2.1.1.1 South Hanford Industrial Area Project (RS01 – WBS Level III).

2.1.1.1.1 300 Area Source Remedial Action. A portion of the ER 300 Area source remedial action subproject is included in this PBS.

300 Area Source Remedial Action Scope Description

The 300 Area lies at the south end of the Hanford Site, adjacent to the northern boundary of the City of Richland and along the Columbia River. The 300 Area includes approximately 200 waste sites. The liquids and solid waste contained both radionuclides and hazardous materials, primarily from fuel fabrication and laboratory activities. These disposal practices resulted in contamination of the soil and underlying groundwater. The groundwater is addressed by the Groundwater Management Project.

The 300 Area Source Remedial Action Project responsibilities include the following:

- Assessing the waste sites to determine the type and extent of contamination, such that a ROD for remediation of the waste sites can be prepared.

- Preparing the remedial design and performing the remedial actions necessary to implement the ROD.

One of the Hanford Site priorities is to focus initial remediation along the Columbia River. This project addresses this primary regulatory priority, as well as stakeholder and Tribal Nation values relative to protection of the Columbia River.

Remedial actions are designed to reduce risks to the public, workers, and the environment by removing the contamination in the 300 Area waste sites from the environment. These actions will be taken in accordance with a ROD. The objective of the remedial actions is to make the land available for industrial use. The 300 Area Source Remedial Action Project will be followed by long-term monitoring, to ensure that cleanup standards continue to be met.

The 300 Area Source Remedial Action Project will achieve cleanup goals by excavating the contaminated soils. The ERWD Project transports the excavated soils to the ERDF for final disposal.

The 300 Area Source Remedial Action Project's primary interface is with the ER Waste Disposal Project for waste transportation and waste disposal. Additionally, the project will need to coordinate the logistics of the assessment and remediation activities with the ongoing Waste Management Projects and Landlord Projects.

300 Area Source Remedial Action Planning Assumptions

- The 300 Area soil cleanup standard will be industrial, as defined in the initial ROD in the 300 Area.
- The contaminated soils removed from the 300 Area will be disposed in the ERDF.
- Remediated sites will be revegetated with native species.
- Resources (including labor, analytical capabilities, equipment, and general infrastructure) will be available when required.
- Analytical requirements for sampling of potential no-action sites will be met by field screening and through limited laboratory analysis.
- No removal or consolidation of pre-1970 unsegregated TRU waste is planned within the 100, 200, or 300 Areas.
- No remediation within the Columbia River is planned.
- The 300 Area PSOC for the 300 Area Accelerated Closure Project (ACP) has been reflected in this baseline update overall, but no 300 ACP scope is included in this PBS (see PBSs RC02 and RC06).
- Remediation of the 618-11 Burial Ground has been accelerated to FY13-FY17. Although evolving tritium issues may determine that interim actions or earlier remediation are required, the current assumptions are maintained pending resolution of current investigations and better planning input.

300 Area Source Remedial Action Key Performance Measures

The key performance measure for the 300 Area Source Remedial Action Project is the completion of waste sites. Completion of a waste site is defined as the completion of the isolation/excavation or submittal of the documentation for those waste sites that do not require physical remediation, and will be administratively closed. In addition, the Tri-Party Agreement milestones are considered to be key performance measures.

2.1.1.1.2 Decontamination and Decommissioning. A listing of the facilities currently assigned to the ER Project, and those anticipated to be transferred to the ER Project in the future, is contained in Appendix A; the facilities to be decontaminated and decommissioned per this PBS are also identified.

D&D Project Scope Description. A portion of the ER D&D subproject is included in this PBS.

D&D Project PBS

The Hanford Site contains many surplus facilities remaining from plutonium production activities that were required by the U.S. Department of Defense from World War II through the Cold War. Those facilities are now aged and deteriorating. Because the facilities now have no production mission, they must be either maintained (to preserve their integrity) or removed so as to (1) preclude the escape of potentially hazardous substances into the accessible environment, or (2) prevent unacceptably hazardous conditions for the workers who must maintain them.

The D&D Project responsibilities include the following:

- Managing and integrating the characterization and D&D of inactive facilities assigned to the ER Project.

- Managing and integrating the ISS and final disposition of the surplus reactors (see PBS RC01 for ISS, and PBS RS02 for final disposition scopes).

The primary objective of the D&D Project is to eliminate potential environmental, human health, and safety hazards by dispositioning the surplus inactive facilities at the Hanford Site.

D&D efforts at the Hanford Site will proceed on a priority-based path that results in the expedient and cost-efficient transition of facilities to a safe and stable condition (including demolition). This path will present no significant threat of release of hazardous substances to the environment, and no significant risk to human health.

The D&D Project primary interface is with the 100 Area, 200 Area, and 300 Area Remedial Action Projects, and the Surveillance/Maintenance and Transition (SM&T) Project for coordination of D&D with the remedial action and S&M activities.

D&D Project Overall Planning Assumptions

- Nonessential surplus buildings and facilities that do not have identified post-cleanup uses will be removed.

- Facilities will be reused for economic diversification, where feasible.

- D&D of facilities being transitioned to EM-40, and not currently in the baseline, will require additional funding.

- Resources for labor, analytical capabilities, equipment, and general infrastructure will be available when required.

- Waste generated by the D&D Project typically will be disposed at the ERDF.

- There will be no changes to the RadCon program or RadCon drivers/regulations that will significantly affect project costs.

- Air sampling and Soil Contamination Area (SCA) program changes will have insignificant effects on project costs.

- Implementation of all changes due to the revisions to 10 CFR 835 have been completed in FY00 and there will be no significant cost or schedule impacts in FY01 or beyond.

D&D Project Key Performance Measures

The key performance measure for the D&D Project is the completion of facilities. Completion of a facility is defined as the completion of the demolition of the facility, including removal of waste materials. In addition, Tri-Party Agreement milestones are considered to be key performance measures.

2.1.1.1.3 Surveillance/Maintenance and Transition (SM&T). The purpose of the S&M function is to ensure adequate containment of contamination; provide physical safety and security controls; maintain the inactive facilities in a manner that will minimize potential hazards to the public and workers; maintain systems/equipment that will be essential for S&M activities in a safe shutdown mode; and ensure compliance with applicable environmental, safety, health, and safeguards/security requirements for the ER scope defined in this River Corridor Final Closure and Spent Nuclear Fuel volume (a portion of the current ER SM&T Project).

SM&T Planning Assumptions

- It is assumed that air sampling and SCA program changes will have an insignificant effect on project costs.
- Implementation of all changes due to the revisions to 10 CFR 835 have been completed in FY00, and there will be no significant cost impacts in FY01 or beyond.
- 15 CDRs and 5 PAAA issue investigations/critiques will be required.
- It is assumed that there will be no changes to the RadCon program, or to RadCon drivers/regulations, that will significantly affect project costs.

Refer to the ER FY01-FY03 DWP, Surveillance/Maintenance and Transition Projects, DOE/RL-97-44, Rev. 3, Vol. 4, for additional detail.

SM&T Key Performance Measures

There are no key performance measures identified at this time.

Post-Remediation S&M (Post-S&M)

Upon completion of remediation of contaminated waste sites and/or decommissioned facility sites, the areas will be restored to support future land uses. Remediated sites will be turned over to post-remediation surveillance and maintenance for long-term monitoring and subsequent revegetation efforts. Post remediation S&M for current ER scope contained in this River Corridor Final Closure and Spent Nuclear Fuel volume is a portion of the current ER post-remediation S&M Project, and is to be included in the Site Stewardship binder.

Post-Remediation S&M (Post-S&M) Planning Assumptions

- Post-S&M (e.g., monitoring and revegetation) is required for remediated waste sites and decommissioned facilities.
- Specific Post-S&M requirements will be determined at the time of final environmental remediation, final facility closure, and/or facility decommissioning.

Refer to the ER FY01-FY03 DWP, Surveillance/Maintenance and Transition Projects, DOE/RL-97-44, Rev. 3, Vol. 4, for additional detail.

Post-Remediation S&M (Post-S&M) Key Performance Measures

There are no key performance measures identified at this time.

2.1.1.1.4 Program Management and Support (PM&S).

PM&S Scope Description

ER PM&S provides programmatic oversight and support to the individual ER Project areas by ensuring that the requisite management systems, project infrastructure requirements, and the regulatory framework are in place and properly maintained until project completion.

NOTE: Although the ER PM&S scope is defined within a separate PBS for the current ER contract, the revised WBS allocates (or distributes) PM&S costs to the new PBSs; the ER PM&S descriptions included here apply to the overall ER PM&S scope, a portion of which cost is distributed to the various new PBSs that contain current ER contract scope.

Work scope and reporting requirements for the ERC PM&S are broken down into the following four subproject areas:

- Project Technical Support
- Project and Program Support
- Planning and Controls
- Compliance, Quality, Safety and Health.

Project Technical Support: This includes technology applications, environmental sciences, sample and data management, regulatory support, design engineering, and an allowance for procurement of nonproject-specific equipment.

Program and Project Support: This includes public involvement and community relations, project procurement, and records and document control.

Planning and Controls: This includes project baseline maintenance, project services, project support, and ERC performance measurement.

Compliance, Quality, Safety and Health: This includes environmental compliance, quality engineering, safety and health, and self-assessments.

The RL-directed PM&S function is broken down into distinct work scope areas. These functional areas are as follows (the RL PM&S scope is entirely contained in the new SS01, Site Integration PBS, within the Site Integration and Infrastructure binder):

- ER Project Support Activities
- Site-Wide Services and Radiological Monitoring Support to the Interstate Nuclear Services (INS) Laundry
- Laundering of ER Project's Protective Clothing and Equipment
- Bonneville Power Administration (BPA) Electrical Support to the ER Project
- Service Assessment Pool
- PNNL Technical Library/Reading Room

- Benton County Sheriff's Office
- Natural Resource Damage Assessment Studies and Ecosystems Management
- Compliance Oversight.

ER Project Support Activities

This functional area contains miscellaneous RL contracts and interagency agreements for nonproject-specific activities. This area includes, but is not limited to, the following:

- The ER Project's access to the legal database LEXIS/NEXIS.
- Direct support of the U.S. Army Corps of Engineers for the RL Office of Environmental Restoration. This support includes:
  - Providing information management systems guidance and oversight
  - Providing a Hanford Site information management systems interface
  - Providing oversight of various site data system sources
  - Resolving Tri-Party Agreement data management systems issues
  - Researching information and data management systems issues and technologies.
- Small miscellaneous ER Project support activities.

Laundering of ER Project's Protective Clothing and Equipment

Protective clothing and equipment laundering services are provided to the ER Project by INS, and the contract is administered through RL.

BPA Electrical Support to the ER Project

Electricity is provided to the Hanford Site by the BPA, and administered through RL.

Service Assessment Pool

These services, which are separate and distinct from site-wide services and are managed by RL, include such things as the Hanford Energy Management Program, court reporter fees, Command Information Center costs (etc.).

PNNL Technical Library/Reading Room

The ER Project is charged for using these facilities and materials.

Benton County Sheriff's Office

The Benton County Sheriff provides policing services to the Hanford Site. This account provides for the ERC share, and the contract is administered by RL.

Natural Resource Damage Assessment Studies and Ecosystems Management

This functional area covers aquatic studies being performed for RL with the assistance of the U.S. Fish and Wildlife Service and PNNL. The area also supports an Ecological Careers Organization (ECO) Associate, who provides support to Hanford's Natural Resource Trustee Council and supports RL's ecosystem management policies.

Compliance Oversight

Compliance Oversight is handled through a grant with Ecology, and involves the following:

- Performing technical reviews of documents
- Observing RL's investigative work
- Reviewing documentation resulting from investigations
- Examining toxicological assessments and ecological and qualitative risk assessments
- Conducting ecological studies (scope, sample, document review)
- Co-reviewing proposed plans
- Confirming adherence to cleanup standards
- Evaluating Columbia River data
- Examining applications for new technology.

PM&S Planning Assumptions

Listed below are the summary-level ER planning assumptions:

- There will be no major changes in either the current regulatory approach for risk assessment or the Nuclear Facility Classification at the Hanford Site over the life of the ER Project.

- As major chemical processing facilities (i.e., PUREX and B Plant) and waste sites on the Hanford Site undergo deactivation, shutdown, and stabilization procedures, the responsibilities for the facilities and waste sites will transfer from FH to the ER Project.

- The use of project-wide services subcontracts will continue to provide an effective and cost-efficient mechanism to support the project teams.

- ER PM&S requirements, on a year-to-year basis, are related to the volume of overall ERC work scope and associated management requirements. PM&S management and support activities have been adjusted to correspond to increases and decreases in current ER Project scope to meet compliance requirements.

- The allocation of fee for the current ER contract is entirely performance based. Fee is paid upon completion of predetermined DWP milestones (through annual negotiation). Based on the current baseline forecast, completion of the ER contract will occur in FY33, with the ER Project scope completion in FY46. A rate for fee, consistent with FY01 contract provisions, has been applied for years beyond FY01.

PM&S Key Performance Measures

Currently, there are no key performance measures for PM&S.

2.1.1.1.5 FH to provide narrative for Transition Project Management and HSFP/300 Area Revitalization.

2.1.1.1.6 South Hanford Industrial Area (RS01 – WBS Level IV).

400 Area (excluding operations and deactivation of the Fast Flux Test Facility)

The work scope includes the following:

- The activities required to manage and integrate the 400 Area through completion of the ROD. This includes the following:
  - Assessment of the waste sites to determine the type and extent of contamination, such that a ROD for remediation of the waste sites can be prepared.
  - Preparing the remedial design and performing the remedial actions necessary to implement the ROD.
  - The characterization and D&D of inactive facilities.

Southern Zone

The Southern Zone includes the southwest section, west of Route 4A, from the southern boundary of the Hanford Site north to the northern most extent of the LIGO site, excluding the 400 Area.

The work scope includes the following:

- The activities required to manage and integrate the South Hanford Industrial through completion of the ROD. This includes the following:
  - Assessment of the waste sites to determine the type and extent of contamination, such that a ROD for remediation of the waste sites can be prepared.
  - Preparing the remedial design and performing the remedial actions necessary to implement the ROD.
  - The characterization and D&D of inactive facilities.

Northern Zone

The Northern Zone includes the northeast section, east of Route 4A, from the northern boundary of the 300 Area to the southern boundary of the Sand Dunes Area.

The work scope includes the following:

- The activities required to manage and integrate the Northern Zone through completion of the ROD. This includes the following:
  - Assessment of the waste sites to determine the type and extent of contamination, such that a ROD for remediation of the waste sites can be prepared.
  - Preparing the remedial design and performing the remedial actions necessary to implement the ROD.
  - The characterization and D&D of inactive facilities.

PM&S

This component within the WBS provides the crosscutting management requirements applicable to all activities for the work scope contained within this PBS. Provide all planning, management direction, evaluation, and management system outputs for this PBS, including Project Technical Support, Planning and Controls, Compliance, Quality, Safety and Health, and S&M and RARA (S&M of inactive facilities prior to D&D; S&M of waste sites until remediation is completed; and transition of facilities from other environmental management programs). Provide the management needed to conduct the mission. Specify management policies and procedures, provide configuration management, perform scheduling, allocate all resources, define performance criteria, and resolve regulatory issues. Provide all intellectual and physical supporting resources, including personnel, consultants, services, supplies, technology, essential information and integrated independent services. Obtain public involvement and interaction needed to complete the work scope. Identify and/or negotiate material and equipment disposition requirements, developing plans to deactivate facilities as warranted.

2.1.1.2 Final Reactor Area Disposition (RS02 – WBS Level III). The 100 Area lies at the north end of the Hanford Site, along the Columbia River. It is comprised of six noncontiguous reactor areas, containing over 400 waste sites, nine retired reactors and their ancillary facilities.

Eight of the nine reactors are currently scheduled to be placed in ISS and the ninth (B Reactor) is being prepared to be a museum. The final disposition of the reactors is yet to be determined; however, the Surplus Production Reactor Decommissioning EIS has a preferred alternative of one-piece removal. This alternative is currently the baseline disposition for the purpose of preparing the lifecycle cost estimates. Because final reactor disposition could, based on ISS design life, extend over a period approaching 100 years, it is separated from the other, more near term, 100 Area remediation activities, included in PBS RC01. The scope of this PBS is comprised of portions of previous ER PBSs ER05, S/M&T, ER06 D&D, and ER10, PM&S.

The overall PBS work scope includes the following:

- Assessing the alternative reactor dispositions such that a ROD for final disposition of the reactors can be prepared.

- Preparing the remedial design and performing the remedial actions necessary to implement the ROD.

2.1.1.2.1 Decontamination and Decommissioning. A listing of the facilities currently assigned to the ER Project, and those anticipated to be transferred to the ER Project in the future, is contained in Appendix A; the facilities included in this PBS are also identified.

D&D Project Scope Description. A portion of the ER D&D subproject is included in this PBS.

D&D Project

The Hanford Site contains many surplus facilities remaining from plutonium production activities that were required by the U.S. Department of Defense from World War II through the Cold War. Those facilities are now aged and deteriorating. Because the facilities now have no production mission, they must be either maintained (to preserve their integrity) or removed so as to (1) preclude the escape of potentially hazardous substances into the accessible environment, or (2) prevent unacceptably hazardous conditions for the workers who must maintain them.

The D&D Project responsibilities include the following:

- Managing and integrating the characterization and D&D of inactive facilities assigned to the ER Project.

- Managing and integrating the ISS and final disposition of the surplus reactors (final disposition is included in this PBS; see PBS RC01 for ISS scope).

The primary objective of the D&D Project is to eliminate potential environmental, human health, and safety hazards by dispositioning the surplus inactive facilities at the Hanford Site.

D&D efforts at the Hanford Site will proceed on a priority-based path that results in the expedient and cost-efficient transition of facilities to a safe and stable condition (including demolition). This path will present no significant threat of release of hazardous substances to the environment, and no significant risk to human health.

The D&D Project primary interface is with the 100 Area, 200 Area, and 300 Area Remedial Action Projects, and the Surveillance/Maintenance and Transition (SM&T) Project for coordination of D&D with the remedial action and S&M activities.

D&D Project Overall Planning Assumptions

- Nonessential surplus buildings and facilities that do not have identified post-cleanup uses will be removed.

- Facilities will be reused for economic diversification, where feasible.

- D&D of facilities being transitioned to EM-40, and not currently in the baseline, will require additional funding.

- Resources for labor, analytical capabilities, equipment, and general infrastructure will be available when required.

- Waste generated by the D&D Project will typically be disposed at the ERDF.

- There will be no changes to the RadCon program or RadCon drivers/regulations that will significantly affect project costs.

- Air sampling and Soil Contamination Area (SCA) program changes will have insignificant effects on project costs.

- Implementation of all changes due to the revisions to 10 CFR 835 have been completed in FY00 and there will be no significant cost or schedule impacts in FY01 or beyond.

D&D Project Key Performance Measures

The key performance measure for the D&D Project is the completion of facilities. Completion of a facility is defined as the completion of the demolition of the facility, including removal of waste materials. In addition, Tri-Party Agreement milestones are considered to be key performance measures.

2.1.1.2.2 Surveillance/Maintenance and Transition. The purpose of the S&M function is to ensure adequate containment of contamination; provide physical safety and security controls; maintain the inactive facilities in a manner that will minimize potential hazards to the public and workers; maintain systems/equipment that will be essential for S&M activities in a safe shutdown mode; and ensure compliance with applicable environmental, safety, health, and safeguards/security requirements for the ER scope defined in this River Corridor Final Closure and SNF binder (a portion of the current ER SM&T Project).

SM&T Planning Assumptions

- It is assumed that air sampling and SCA program changes will have an insignificant effect on project costs.
- Implementation of all changes due to the revisions to 10 CFR 835 have been completed in FY00, and there will be no significant cost impacts in FY01 or beyond.
- 15 CDRs and 5 PAAA issue investigations/critiques will be required.
- It is assumed that there will be no changes to the RadCon program, or to RadCon drivers/regulations, that will significantly affect project costs.

Refer to the ER FY01-FY03 DWP, Surveillance/Maintenance and Transition Projects, DOE/RL-97-44, Rev. 3, Vol. 4, for additional detail.

SM&T Key Performance Measures

There are no key performance measures identified at this time.

Post-Remediation S&M (Post-S&M)

Upon completion of remediation of contaminated waste sites and/or decommissioned facility sites, the areas will be restored to support future land uses. Remediated sites will be turned over to post-remediation surveillance and maintenance for long-term monitoring and subsequent revegetation efforts. Post remediation S&M for current ER scope contained in this River Corridor Final Closure and Spent Nuclear Fuel volume is a portion of the current ER post-remediation S&M Project, and is included in the Site Stewardship binder.

Post-Remediation S&M (Post-S&M) Planning Assumptions

- Post-S&M (e.g., monitoring and revegetation) is required for remediated waste sites and decommissioned facilities.
- Specific Post-S&M requirements will be determined at the time of final environmental remediation, final facility closure, and/or facility decommissioning.

Refer to the ER FY01-FY03 DWP, Surveillance/Maintenance and Transition Projects, DOE/RL-97-44, Rev. 3, Vol. 4, for additional detail.

Post-Remediation S&M (Post-S&M) Key Performance Measures

There are no key performance measures identified at this time.

2.1.1.2.3 Program Management and Support.

PM&S Scope Description

ER PM&S provides programmatic oversight and support to the individual ER Project areas by ensuring that the requisite management systems, project infrastructure requirements, and the regulatory framework are in place and properly maintained until project completion.

NOTE: Although the ER PM&S scope is defined within a separate PBS for the current ER contract, the revised WBS allocates (or distributes) PM&S costs to the new PBSs; the ER PM&S descriptions included here apply to the overall ER PM&S scope, a portion of which cost is distributed to the various new PBSs that contain current ER contract scope.

Work scope and reporting requirements for the ERC PM&S are broken down into the following four subproject areas:

- Project Technical Support
- Project and Program Support
- Planning and Controls
- Compliance, Quality, Safety and Health.

Project Technical Support: This includes technology applications, environmental sciences, sample and data management, regulatory support, design engineering, and an allowance for procurement of nonproject-specific equipment.

Program and Project Support: This includes public involvement and community relations, project procurement, and records and document control.

Planning and Controls: This includes project baseline maintenance, project services, project support, and ERC performance measurement.

Compliance, Quality, Safety and Health: This includes environmental compliance, quality engineering, safety and health, and self-assessments.

The RL-directed PM&S function is broken down into distinct work scope areas. These functional areas are as follows (the RL PM&S scope is entirely contained in the new SS01, Site Integration PBS, within the Site Integration and Infrastructure binder):

- ER Project Support Activities
- Site-Wide Services and Radiological Monitoring Support to the INS Laundry
- Laundering of ER Project's Protective Clothing and Equipment
- BPA Electrical Support to the ER Project
- Service Assessment Pool
- PNNL Technical Library/Reading Room
- Benton County Sheriff's Office
- Natural Resource Damage Assessment Studies and Ecosystems Management
- Compliance Oversight.

ER Project Support Activities

This functional area contains miscellaneous RL contracts and interagency agreements for nonproject-specific activities. This area includes, but is not limited to, the following:

- The ER Project's access to the legal database LEXIS/NEXIS.
- Direct support of the U.S. Army Corps of Engineers for the RL Office of Environmental Restoration. This support includes:
  - Providing information management systems guidance and oversight
  - Providing a Hanford Site information management systems interface
  - Providing oversight of various site data system sources
  - Resolving Tri-Party Agreement data management systems issues
  - Researching information and data management systems issues and technologies.
- Small miscellaneous ER Project support activities.

Laundering of ER Project's Protective Clothing and Equipment

Protective clothing and equipment laundering services are provided to the ER Project by INS, and the contract is administered through RL.

BPA Electrical Support to the ER Project

Electricity is provided to the Hanford Site by the BPA, and administered through RL.

Service Assessment Pool

These services, which are separate and distinct from site-wide services and are managed by RL, include such things as the Hanford Energy Management Program, court reporter fees, Command Information Center costs (etc.).

PNNL Technical Library/Reading Room

The ER Project is charged for using these facilities and materials.

Benton County Sheriff's Office

The Benton County Sheriff provides policing services to the Hanford Site. This account provides for the ERC share, and the contract is administered by RL.

Natural Resource Damage Assessment Studies and Ecosystems Management

This functional area covers aquatic studies being performed for RL with the assistance of the U.S. Fish and Wildlife Service and PNNL. The area also supports an Ecological Careers Organization (ECO) Associate, who provides support to Hanford's Natural Resource Trustee Council and supports RL's ecosystem management policies.

Compliance Oversight

Compliance Oversight is handled through a grant with Ecology, and involves the following:

- Performing technical reviews of documents
- Observing RL's investigative work
- Reviewing documentation resulting from investigations
- Examining toxicological assessments and ecological and qualitative risk assessments
- Conducting ecological studies (scope, sample, document review)
- Co-reviewing proposed plans
- Confirming adherence to cleanup standards
- Evaluating Columbia River data
- Examining applications for new technology.

PM&S Planning Assumptions

Listed below are the summary-level ER planning assumptions:

- There will be no major changes in either the current regulatory approach for risk assessment or the Nuclear Facility Classification at the Hanford Site over the life of the ER Project.

- As major chemical processing facilities (i.e., PUREX and B Plant) and waste sites on the Hanford Site undergo deactivation, shutdown, and stabilization procedures, the responsibilities for the facilities and waste sites will transfer from FH to the ER Project.

- The use of project-wide services subcontracts will continue to provide an effective and cost-efficient mechanism to support the project teams.

- ER PM&S requirements, on a year-to-year basis, are related to the volume of overall ERC work scope and associated management requirements. PM&S management and support activities have been adjusted to correspond to increases and decreases in current ER Project scope to meet compliance requirements.

- The allocation of fee for the current ER contract is entirely performance based. Fee is paid upon completion of predetermined DWP milestones (through annual negotiation). Based on the current baseline forecast, completion of the ER contract will occur in FY33, with the ER Project scope completion in FY46. A rate for fee, consistent with FY01 contract provisions, has been applied for years beyond FY01.

PM&S Key Performance Measures

Currently, there are no key performance measures for PM&S.

2.1.1.2.4 Final Reactor Disposition (RS02 – WBS Level IV).

B Reactor

The activities required to manage and integrate the 100 Area reactors final disposition through completion of the ROD. This includes the following:

- Assessment of the alternatives for final disposition such that a ROD for remediation of the reactors can be prepared.
- Preparing the remedial design and performing the remedial actions necessary to implement the ROD.

C Reactor

The activities required to manage and integrate the 100 Area reactors final disposition through completion of the ROD. This includes the following:

- Assessment of the alternatives for final disposition such that a ROD for remediation of the reactors can be prepared.
- Preparing the remedial design and performing the remedial actions necessary to implement the ROD.

D Reactor

The activities required to manage and integrate the 100 Area reactors final disposition through completion of the ROD. This includes the following:

- Assessment of the alternatives for final disposition such that a ROD for remediation of the reactors can be prepared.
- Preparing the remedial design and performing the remedial actions necessary to implement the ROD.

DR Reactor

The activities required to manage and integrate the 100 Area reactors final disposition through completion of the ROD. This includes the following:

- Assessment of the alternatives for final disposition such that a ROD for remediation of the reactors can be prepared.
- Preparing the remedial design and performing the remedial actions necessary to implement the ROD.

K East Reactor

The activities required to manage and integrate the 100 Area reactors final disposition through completion of the ROD. This includes the following:

- Assessment of the alternatives for final disposition such that a ROD for remediation of the reactors can be prepared.

- Preparing the remedial design and performing the remedial actions necessary to implement the ROD.

K West Reactor

The activities required to manage and integrate the 100 Area reactors final disposition through completion of the ROD. This includes the following:

- Assessment of the alternatives for final disposition such that a ROD for remediation of the reactors can be prepared.

- Preparing the remedial design and performing the remedial actions necessary to implement the ROD.

N Reactor

The activities required to manage and integrate the 100 Area reactors final disposition through completion of the ROD. This includes the following:

- Assessment of the alternatives for final disposition such that a ROD for remediation of the reactors can be prepared.

- Preparing the remedial design and performing the remedial actions necessary to implement the ROD.

H Reactor

The activities required to manage and integrate the 100 Area reactors final disposition through completion of the ROD. This includes the following:

- Assessment of the alternatives for final disposition such that a ROD for remediation of the reactors can be prepared.

- Preparing the remedial design and performing the remedial actions necessary to implement the ROD.

F Reactor

The activities required to manage and integrate the 100 Area reactors final disposition through completion of the ROD. This includes the following:

- Assessment of the alternatives for final disposition such that a ROD for remediation of the reactors can be prepared.

- Preparing the remedial design and performing the remedial actions necessary to implement the ROD.

PM&S

The activities required to manage and integrate the 100 Area reactors final disposition through completion of the ROD, including: assessment of the alternatives for final disposition such that a ROD for remediation of the reactors can be prepared; and preparing the remedial design and performing the remedial actions necessary to implement the ROD.

Furthermore, this component within the WBS provides the crosscutting management requirements applicable to all activities for the work scope contained within this PBS. Provide all planning, management direction, evaluation, and management system outputs for this PBS, including Project Technical Support, Planning and Controls, Compliance, Quality, Safety and Health, and S&M and RARA (S&M of inactive facilities prior to D&D; S&M of waste sites until remediation is completed; and transition of facilities from other environmental management programs). Provide the management needed to conduct the mission. Specify management policies and procedures, provide configuration management, perform scheduling, allocate all resources, define performance criteria, and resolve regulatory issues. Provide all intellectual and physical supporting resources, including personnel, consultants, services, supplies, technology, essential information and integrated independent services. Obtain public involvement and interaction needed to complete the work scope. Identify and/or negotiate material and equipment disposition requirements, developing plans to deactivate facilities as warranted.

2.1.1.3 Spent Nuclear Fuel Project (RS03 – WBS Level III). The SNF mission on the Hanford Site supports the Hanford Mission to cleanup the site by providing safe, economic, environmentally sound management of site SNF in a manner which stages it to onsite storage, initiates interim storage, and deactivates the associated 100 K Area facilities. The SNF is to accomplish the following endpoints:

- SNF removal from K Basins, with the basins cleaned sufficient to transition to D&D.
- SNF removed offsite for final disposition (including Fast Flux Test Facility SNF).
- SNF transferred in interim storage at the Central Plateau (200 Area).

Additional sections are to be provided by FH.

3.0 ENVIRONMENTAL RESTORATION PROJECT TECHNOLOGY INSERTION POINTS DESCRIPTION

A Technology Insertion Point (TIP) represents the discrete pre-decision point (e.g., schedule milestone) in the project baseline where performance specifications, to perform a project task, drive a technology selection to perform project baseline work. TIPs can identify where an opportunity exists for improved technologies to be selected in support of required scope, or where the path forward is not identified or known, or where a technology is required to enable an improved path forward.

3.1 TECHNOLOGY INSERTION POINTS IDENTIFIED FOR THE FY00 BASELINE UPDATE

For this update of the ER Project baseline, no TIPs are identified related to the scope in this volume.

4.0 BASELINE COST/ESTIMATE INTRODUCTION

The baseline cost/estimate consists of four distinct elements:

- The actuals from the beginning of the Environmental Restoration (ER) Project, through fiscal year 2000 (FY00).

- The detailed estimates for FY01 that were developed for the Richland Environmental Restoration Project Fiscal Year 2001-2003 Detailed Work Plan (DWP).

- Estimates for FY02 through the completion of the ER Project (FY46).

Lifecycle costs are the total of the above elements. This section provides a summary of the estimating basis, assumptions, methodology, contingency analysis, reconciliation, and summary/detailed cost and quantity data. This FY01 update incorporates the DWP for FY01 through FY03, and establishes the FY04 to the end-of-project cost and schedule as of October 1, 2000.

The FY01 Richland ER Project baseline update was prepared by Bechtel Hanford, Inc. (BHI), with input from FH, the U.S. Department of Energy (DOE), Richland Operations Office (RL), the U.S. Environmental Protection Agency (EPA), and the Washington State Department of Ecology (Ecology). The sections provided within this document are as follows:

Section 1.0 Introduction

- Purpose and organization of the volume

Section 2.0 Summary

- ER Project Program Baseline Summary (PBS) Dollars
- Summary Level Comparisons
- Funding Profile
- Site Completions
- Facility Completions
- 100/300 Areas Waste Volumes

Section 3.0 ER Basis and Assumptions

Section 4.0 ER Baseline Cost/Quantity Reports by PBS

- Baseline Cost/Quantity Summary
- Baseline Cost/Quantity Detail
- Baseline Contingency Analysis
- Baseline Estimate Reconciliation

4.1 ENVIRONMENTAL RESTORATION PROJECT PBS DOLLARS

This section (Table 4-1) provides the total costs by PBS through project completion.

Table 4-1. Costs by Program Baseline Summary ($000).

Costs by PBS ($000)						
PBS #	**Description**	**Prior Years**	**FY01**	**FY02**	**FY03**	**FY04**
RS01	South Hanford Industrial Area Clean Up	42,283	0	3,528	3,630	7,631
RS02	Final Reactor Disposition	25,074	0	0	0	0
	Total	67,357	0	3,528	3,630	7,631

Costs by PBS ($000)						
PBS #	**Description**	**FY05**	**FY06**	**FY07**	**FY08**	**FY09**
RS01	South Hanford Industrial Area Clean Up	7,795	8,254	8,260	9,058	9,827
RS02	Final Reactor Disposition	0	0	0	0	0
	Total	7,795	8,254	8,260	9,058	9,827

Costs by PBS ($000)						
PBS #	**Description**	**FY10**	**FY11**	**FY12-16**	**FY17-21**	**FY22-26**
RS01	South Hanford Industrial Area Clean Up	10,910	10,612	504,073	191,707	72,909
RS02	Final Reactor Disposition	0	0	105,152	455,853	419,966
	Total	10,910	10,612	609,225	647,560	492,875

Costs by PBS ($000)						
PBS #	**Description**	**FY27-31**	**FY32-36**	**FY37-41**	**FY42-46**	**PBS Totals**
RS01	South Hanford Industrial Area Clean Up	74,232	98,770	86,770	136,606	1,286,855
RS02	Final Reactor Disposition	110,321	0	0	0	1,116,366
	Total	184,553	98,770	86,770	136,606	2,403,221

Figure 4-1. ER Funding Profile - Total Base Costs, Contingency, and Escalation.

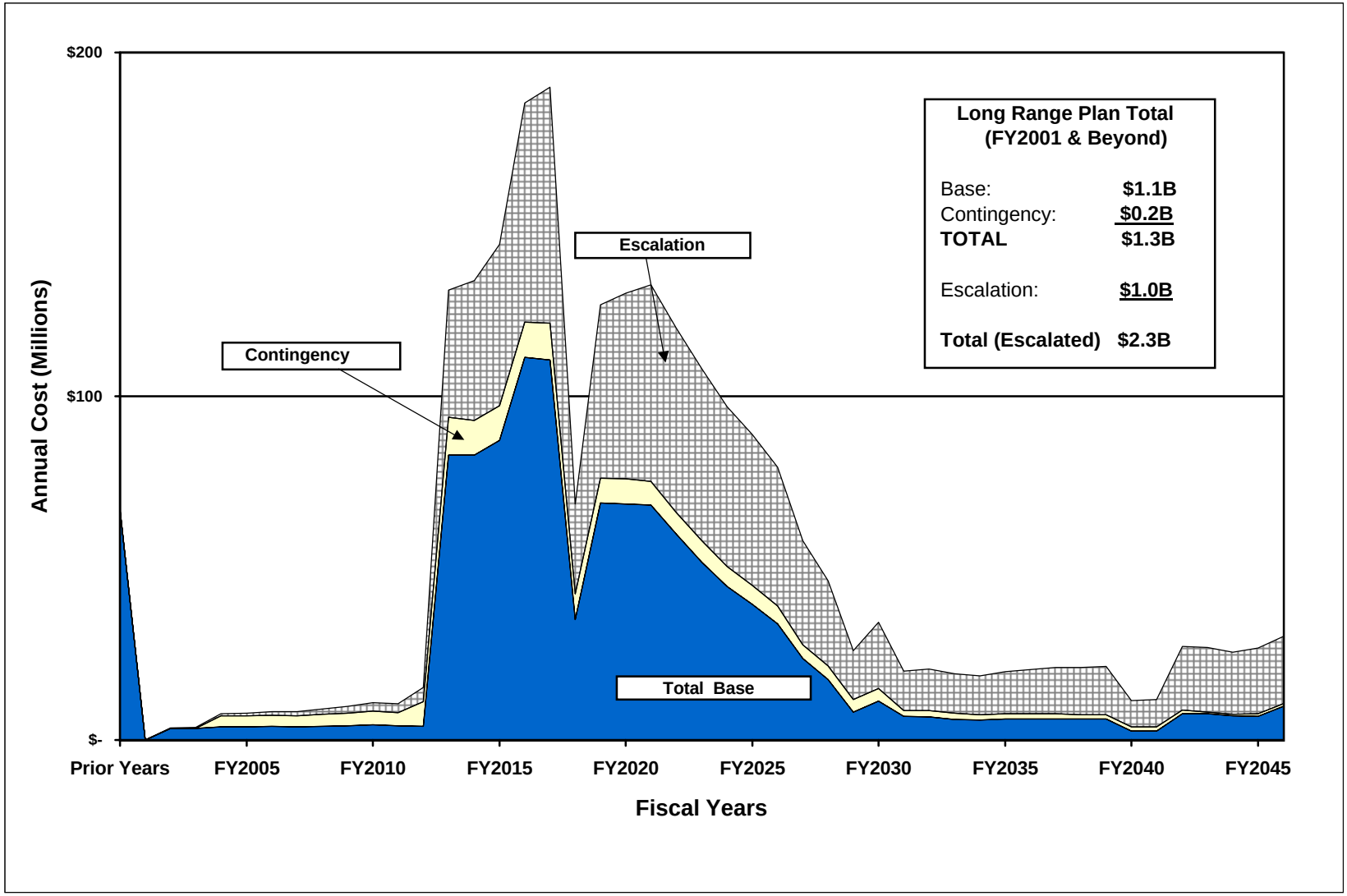


Figure 4-2. ER Waste Site Completions by Fiscal Year.

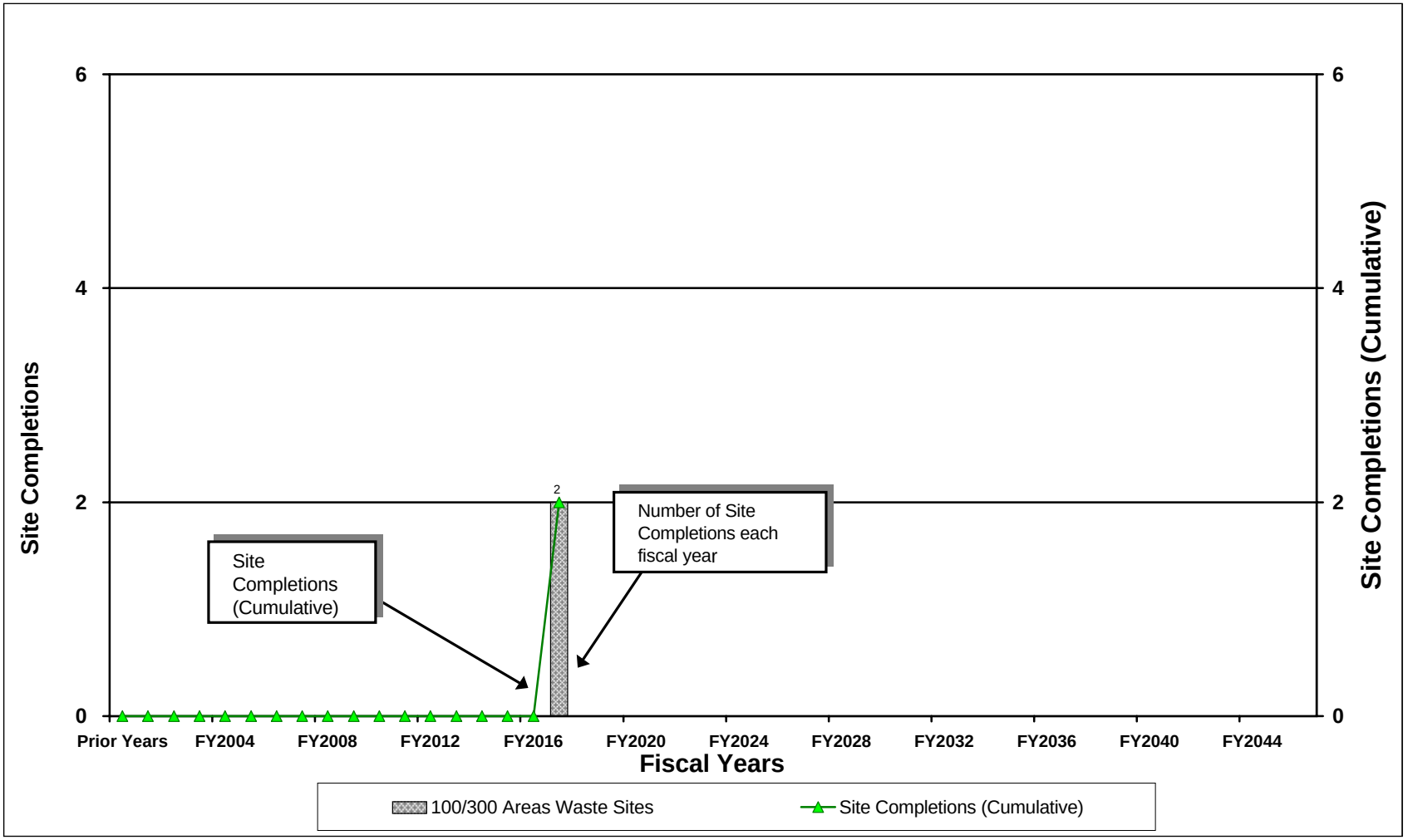


Figure 4-3. ER Facility Completions by Fiscal Year.

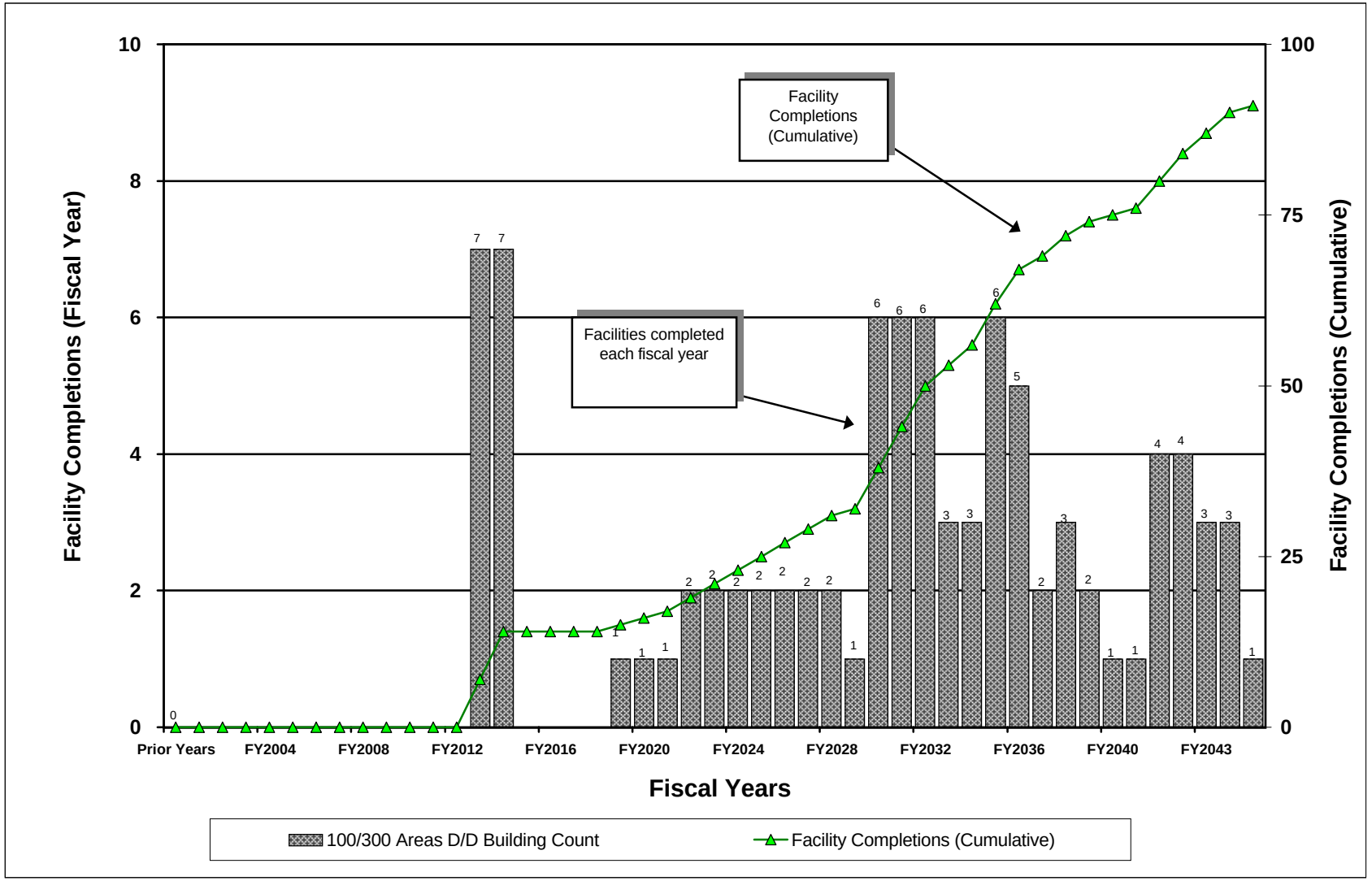
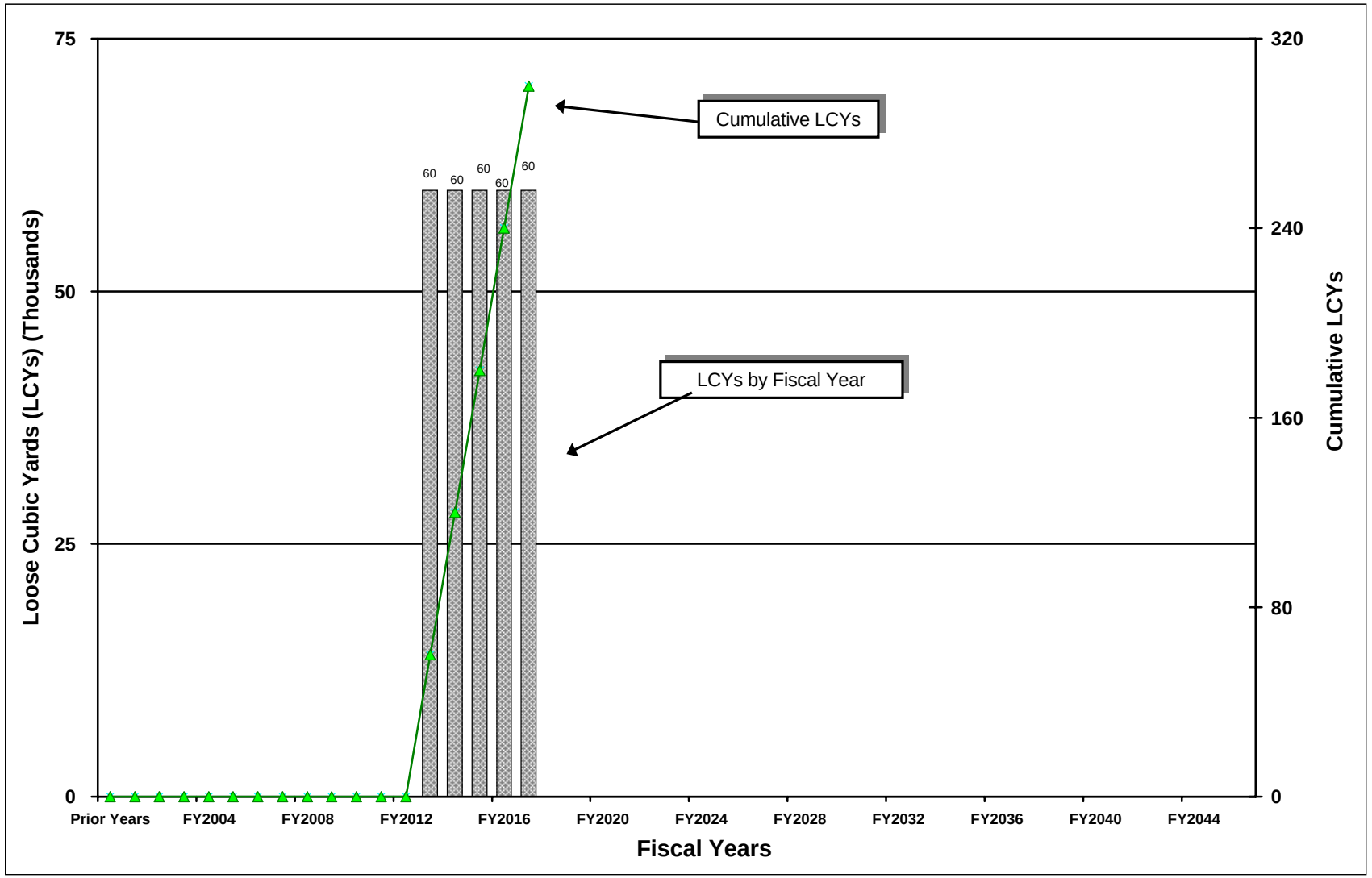


Figure 4-4. ER Remedial Action Waste Volume by Fiscal Year.



5.0 BASIS AND ASSUMPTIONS

This section summarizes the basis and assumptions used in preparing the ER baseline.

The key concepts supporting the estimating approach include the following:

- **Cost estimates** – 4 of 34 standard estimating cost models were used for the FY01 baseline effort.
- **Incorporation of FY01 rates** - These include the FY01 wage and indirect rates.
- **Development of a baseline database** - An Access baseline database was used to record "total," "to-date," and "to-go" quantity, labor hour, and cost data for each site, facility, and support activity.
- **Contingency evaluation** - A Monte Carlo contingency analysis was performed for each project based on representative waste site estimates, facilities, and other portions of the baseline estimate.
- **Use of labor factor for FY02 and outyears** - Fully loaded labor costs were brought up to the DWP cost level by applying a labor factor. The labor factor was calculated by dividing the fully loaded current DWP Environmental Restoration Contractor (ERC) composite wage rate by the fully loaded prior ERC composite wage rate.

The following is a brief overview of the estimate approach used to formulate the FY01 baseline. (See Figure 5-1 for a generic process flow diagram of the estimating approach.)

1. **Collect FY00 and Prior Costs and Hours** - The summation of the to-date data, including hours, costs, and hours expended, includes the following:
    - Use of actual costs for FY00 and prior years to establish the costs expended to date. This includes a combination of detailed cost data supplied by Westinghouse Hanford Company for costs through FY94, plus detailed costs from the ERC cost/scheduling system for FY95-FY00.
    - Use of actual manual and non-manual ERC labor hours for FY95-FY00. The ERC labor system provides detailed labor reports for both non-manual and manual labor hours (not subcontract labor hours).
    - An estimate of hours for FY94, and prior years, based on the FY95 distribution of ERC manual and non-manual hours. Factors for non-manual and manual staff were established by dividing the total non-manual hours ($285.4K) and manual hours ($89.8K) by the FY95 total project costs ($61,315K). These factors were multiplied by FY94 and prior years' costs to approximate job hours.

2. **Collect FY01-FY03 DWP Costs** - The RL approval for the DWP was limited to FY01; therefore, assembly of the to-go cost estimated to be spent is as follows:

   - Use of the P/3 Project Scheduling System DWP labor hours and costs for the FY01 time period. Labor hours and costs match FY01 of the DWP.

   - Use of escalation rates, as directed by RL, to adjust DWP costs to base 2001. These escalation rates are the same as those used in developing the DWP.

3. **Assemble FY02 - Outyear Planning Costs** - The estimated costs for activities planned from FY02 to project completion and closeout were based on project-approved cost models. The FY01 baseline update includes the following:

   - Refinement, review, and project approval of cost/labor model estimates (i.e., U.S. Army Corps of Engineers (USACE) Micro Computer-Aided Cost Estimating System [MCACES]) and incorporation as needed into the baseline.

   - Escalation of the to-go costs to FY01 base year dollars.

   - Application of a percentage contingency value, derived from a Monte Carlo analysis of a representative waste site or estimate. See the Monte Carlo Contingency Analysis Section for details.

   - Use of outyear escalation values, established by DOE, consistent with the LRP.

4. **Cost Adjustments** - These include the changes made to the baseline estimate to ensure traceability and reconciliation to the prior baseline, including the following:

   - Changes resulting from the FY01 DWP and other outyear changes.

   - FY01 rate revisions to wage and indirect rates.

   - Changes to contingency resulting from the Monte Carlo contingency analysis.

   - Changes to LRP escalation as a result of revised funding guidelines, rescheduling outyear activities in the LRP, revised escalation rates provided by DOE, and other LRP changes.

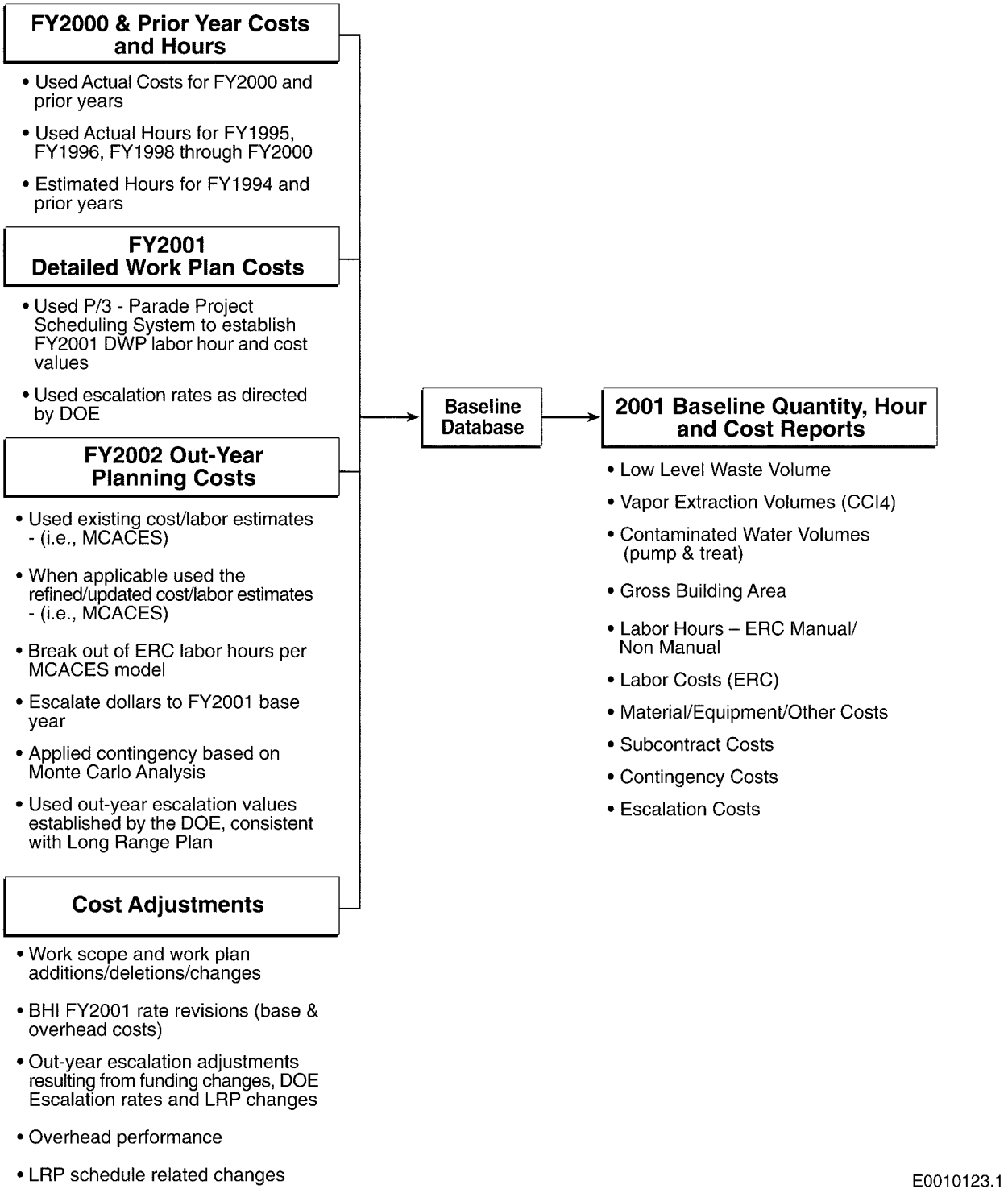
   - LRP schedule-related changes.

5. **Output Phase** - Assembled baseline estimate data were exported to the Access baseline database. The database provides multiple detailed and summary reports, including the following:

   - *Quanities Reports* – Low-level waste volumes, vapor extraction volumes, groundwater pump-and-treat volumes, and D&D gross building volumes.

   - *Baseline Cost/Quantity Reports* - These include labor hours (for ERC manual/non-manual), ERC labor costs, material/equipment/other costs, subcontract costs, and contingency costs.

Figure 5-1. 2001 Baseline Estimate - Process Flow Diagram.



ESTIMATE METHODOLOGY

The following are the key general estimate methods that are applicable to most of the ER cost estimates.

1. "To-go" estimate costs begin on October 1, 2000.

2. Costs, manhours, and quantities for FY01 were from the FY01-FY03 DWP.

3. For FY02 through completion (outyears), many new estimates were prepared for the FY01 baseline effort. Waste site estimates, size, model type, and quantities were reevaluated for the FY01 baseline.

4. Most of the site and facility cost estimates for the outyears were calculated using MCACES models. The following types of models were used:

   – Trench Model (Soil Remediation)
   – Retention Basin Model (Soil Remediation)
   – Cribs and French Drain Model (Soil Remediation)
   – Below-Grade Structure Model (Soil Remediation)
   – Piping Remediation Model (Soil Remediation)
   – D&D Remediation Model (Decontamination & Decommissioning)
   – Modified *Resource Conservation and Recovery Act* (RCRA)-C Cap/Barrier Model (Cap/Containment)
   – RCRA-D Cap/Barrier Model (Capping/Containment)
   – Hanford Cap/Barrier Model (Capping/Containment).

5. Schedule-driven cost and hours (i.e., ERC-PM&S, RL-PM&S, S&M, Radiation Area Remedial Action [RARA], vadose zone, and groundwater monitoring/well maintenance) were coordinated between the projects to meet the LRP, Rev. 3, schedule.

ESTIMATING PROGRAMS

1. Most of the Remedial Action and D&D cost estimates were prepared from USACE MCACES software, Version 5.30.

2. The assessment and design portion of the baseline estimate for the 200 Area operable units was estimated based on the 200 Area strategy, using spreadsheet programs.

3. Schedule-driven costs and hours were prepared using spreadsheet programs.

4. Changes to the cost estimating programs included the following*:

   – Crew size and resource mix

   – Equipment type and size

* Revisions/updates to the cost-estimating models is a team effort involving project, management, Field Support, Planning and Controls Estimating, and RL personnel. Typical cost models were updated, reviewed, and approved, and changes were incorporated into site type-specific models.

- Crew productivity
- Material and equipment pricing
- Wage rates: direct and indirect
- Incorporation of the October 2000 wage and overhead rates. Later in the estimating process, the labor costs are factored up to the same pricing basis as the FY01 DWP.

Remedial action in the 200 Areas was reestimated to use a combination of barrier/cap cost models and soil remediation cost models.

ESTIMATE PRICING BASIS

The following are the key rates and pricing basis that were applied to the FY01 ER cost baseline DWP and outyear costs:

1. **Labor** - A labor factor was applied to the labor costs, bringing the labor up to 2001 base dollars.

2. **Materials** - Material pricing was based on the USACE MCACES, Version 5.3, database. State sales tax of 8% was applied to material costs.

3. **Equipment** - Equipment pricing data were based on the USACE equipment price book, EP1110-1-8, existing at the time of calculation, which was the basis for the MCACES, Version 5.30, construction equipment rate database. The equipment pricing tables used in the calculations were August 1993, September 1997, and June 1999.

4. **Subcontract** - Field remediation work performed by subcontractors was priced using the Hanford Site Stabilization Agreement labor rates, dated November 1998. Markups were applied for subcontractor overhead and profit.

5. **Distributables** - The BHI distributable rates were applied to costs in accordance with the May 19, 2000, Rev. 0, guidance document for the FY01-FY03 DWP and RL memorandum and letter (00-PRO-537) dated June 28, 2000. The BHI distributable rates applied in this baseline are as follows:

• Payroll Additives (S/T)	46.16%
• Payroll Additives (O/T)	12.75%
• Operating Centers	$5.35/job hour
• Direct Distributable	20.80%
• General and Administrative	3.70%
• Overheads	Various rates depending upon resources used (e.g., Pools 1-3, 4, and 5)

6. **Inception To-Date Costs** - The actual "to-date" costs through September 30, 1994, were taken from the Financial Data System (FDS). Costs for FY95 through FY00 were from the BHI P3/Parade accounting system. Job hours for FY95 through FY99 were taken directly from P3/Parade. Since job hours were not readily available for FY94 and prior years, factors for estimating manual and non-manual staff were used. Factors for non-manual and

manual were established by dividing non-manual hours ($285.4K) and manual hours ($89.9K) by the FY96 total project costs ($61,315K).

7. **Escalation** - Appropriate 1996 baseline costs were escalated 2.8% from the 1997 base, another 2.2% for the 1998 base, another 2.4% for the 1999 base, another 2.5% for the 2000 base, and 2.6% to establish the base cost models in 2001 dollars. Escalation rates for FY97 were based on a letter from Elizabeth E. Smedley, Acting Chief Financial Officer, DOE, to Heads of Elements, "FY1999 Field Budget Call," dated January 24, 1997, and the "FY 1997 all in wage rates for BHI, THI, HAMTC, Building Trades," dated August 18, 1997.

   Escalation for FY98 and FY99 is per "Escalation Rate Approval," letter from M. B. Fox, Planning and Controls Manager, to Steven N. Balone, DOE, dated March 27, 1998.

   Escalation for FY00 is per "Escalation Rate Approval," letter from M. B. Fox, Planning and Controls Manager, to Steven N. Balone, DOE, dated March 17, 1999.

   Escalation for FY1 and beyond is per "BUG-PHASE II MYWP's for FY 2002-Lifecycle," Section B.5.2, Table B-5.

8. Realization hours used in the baseline are 1,803 hours per year. These realization hours were used as an average for all future years.

6.0 COST AND QUANTITY SUMMARY

This section provides the summary and detailed cost and quantity reports, contingency analysis, and baseline reconciliation. It is organized as follows:

- PBS Cost Summary ..... Pages 6-2 to 6-4
  Total
  To Date
  To Go

- PBS Quantity Summary ..... Pages 6-5 to 6-7
  Total
  To Date
  To Go

River Corridor Final Closure & Spent Nuclear Fuel

January 10, 2001

Total Hours and Costs by PBS

(Costs in $1,000s, Excludes Escalation)

		ERC Team Hours		ERC Team Costs					
PBS Number	**PBS Description**	**Manual**	**Non Manual**	**Labor**	**Matl/Equip/Unit**	**Subcontracts**	**Subtotal Cost**	**Contingency**	**Total Cost**
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**	373,584	1,752,259	$159,422	$109,156	$375,495	$644,074	$113,010	$757,084
PBS: RL- RS02	**FINAL REACTOR AREA DISPOSITION**	791,262	2,952,504	$250,649	$293,559	$28,589	$572,797	$66,466	$639,263
Total		1,164,846	4,704,763	$410,071	$402,715	$404,084	$1,216,870	$179,476	$1,396,346

River Corridor Final Closure & Spent Nuclear Fuel

January 10, 2001

To Date Hours and Costs by PBS

(Costs in $1,000s, Excludes Escalation)

		ERC Team Hours		ERC Team Costs					
PBS Number	**PBS Description**	**Manual**	**Non Manual**	**Labor**	**Matl/Equip/Unit**	**Subcontracts**	**Subtotal Cost**	**Contingency**	**Total Cost**
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**	34,419	233,234	$29,714	$9,436	$3,133	$42,283	N/A	$42,283
PBS: RL- RS02	**FINAL REACTOR AREA DISPOSITION**	20,410	138,304	$17,620	$5,596	$1,858	$25,074	N/A	$25,074
Total		54,829	371,538	$47,334	$15,032	$4,991	$67,356	N/A	$67,356

River Corridor Final Closure & Spent Nuclear Fuel

January 10, 2001

To Go Hours and Costs by PBS

(Costs in $1,000s, Excludes Escalation)

		ERC Team Hours		ERC Team Costs					
PBS Number	**PBS Description**	**Manual**	**Non Manual**	**Labor**	**Matl/Equip/Unit**	**Subcontracts**	**Subtotal Cost**	**Contingency**	**Total Cost**
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**	339,165	1,519,025	$129,708	$99,720	$372,362	$601,791	$113,010	$714,801
PBS: RL- RS02	**FINAL REACTOR AREA DISPOSITION**	770,852	2,814,201	$233,029	$287,963	$26,731	$547,723	$66,466	$614,189
Total		1,110,016	4,333,225	$362,737	$387,683	$399,093	$1,149,514	$179,476	$1,328,990

River Corridor Final Closure & Spent Nuclear Fuel

January 10, 2001

Total Quantities by PBS

(Costs in $1,000s, Excludes Escalation)

PBS Number	PBS Description	Low Level Waste (LCY)	Barrier Cap (SF)	Gross Bldg. Area (SF)	Water Processed (L)	Vapor Processed (CM)
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**	300,423	0	1,186,104	0	0
PBS: RL- RS02	**FINAL REACTOR AREA DISPOSITION**	0	0	11,400	0	0
Total		300,423	0	1,197,504	0	0

River Corridor Final Closure & Spent Nuclear Fuel

January 10, 2001

To Date Quantities by PBS

(Costs in $1,000s, Excludes Escalation)

PBS Number	PBS Description	Low Level Waste (LCY)	Barrier Cap (SF)	Gross Bldg. Area (SF)	Water Processed (L)	Vapor Processed (CM)
PBS: RL- RS01	SOUTH HANFORD INDUSTRIAL AREA CLEAN UP	0	0	0	0	0
PBS: RL- RS02	FINAL REACTOR AREA DISPOSITION	0	0	0	0	0
Total		0	0	0	0	0

River Corridor Final Closure & Spent Nuclear Fuel

January 10, 2001

To Go Quantities by PBS

(Costs in $1,000s, Excludes Escalation)

PBS Number	PBS Description	Low Level Waste (LCY)	Barrier Cap (SF)	Gross Bldg. Area (SF)	Water Processed (L)	Vapor Processed (CM)
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**	300,423	0	1,186,104	0	0
PBS: RL- RS02	**FINAL REACTOR AREA DISPOSITION**	0	0	11,400	0	0
Total		300,423	0	1,197,504	0	0

7.0 COST AND QUANTITY DETAIL

The following reports provide the summary and detail, cost, and quantities for the Remedial Action and Waste Disposal Project. The summary and detailed reports are organized as follows:

Cost and Quantity Summary and Detail

PBS RS01 – South Hanford Industrial Area Cleanup 7-2
PBS RS02 – Final Reactor Disposition (portions to be provided by FH) 7-52
PBS RS03 – Spent Nuclear Fuel (to be provided by FH)..... 7-

The breakout below the PBS is by zone, WBS Level IV.

Cost and Quantity Summary

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)	Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**								
Subproject WBS: 3.2.1.1	**Todate Hours/Dollars**	0	7	$0	$0	$0	$0	N/A	$0
400 AREA	**To go Hours/Dollars**	69,201	96,222	$10,624	$7,875	$1,392	$19,891	$6,954	$26,845
Subproject Totals	**Total Hours/Dollars**	69,201	96,229	$10,625	$7,875	$1,392	$19,891	$6,954	$26,846
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		343,029	0		0
	Total Quantity		0	0		343,029	0		0
Subproject WBS: 3.2.1.2	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
SOUTHERN ZONE	**To go Hours/Dollars**	231,019	321,246	$36,312	$27,923	$21,331	$85,565	$28,394	$113,960
Subproject Totals	**Total Hours/Dollars**	231,019	321,246	$36,312	$27,923	$21,331	$85,565	$28,394	$113,960
	Todate Quantity		0	0		0	0		0
	To go Quantity		146,813	0		843,075	0		0
	Total Quantity		146,813	0		843,075	0		0
Subproject WBS: 3.2.1.3	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
NORTHERN ZONE	**To go Hours/Dollars**	30,439	49,633	$6,711	$759	$343,202	$350,672	$72,940	$423,612
Subproject Totals	**Total Hours/Dollars**	30,439	49,633	$6,711	$759	$343,202	$350,672	$72,940	$423,612
	Todate Quantity		0	0		0	0		0
	To go Quantity		153,610	0		0	0		0
	Total Quantity		153,610	0		0	0		0
Subproject WBS: 3.2.1.4	**Todate Hours/Dollars**	34,419	233,227	$29,713	$9,436	$3,133	$42,283	N/A	$42,283
PROJECT MANAGEMENT & SUPPORT	**To go Hours/Dollars**	8,505	1,051,924	$76,061	$63,163	$6,438	$145,662	$4,722	$150,384
Subproject Totals	**Total Hours/Dollars**	42,924	1,285,151	$105,774	$72,599	$9,571	$187,945	$4,722	$192,667
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

Cost and Quantity Summary

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)	Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**								
PBS: RL- RS01	**Todate Hours/Dollars**	34,419	233,234	$29,714	$9,436	$3,133	$42,283	N/A	$42,283
PBS Totals	**To go Hours/Dollars**	339,165	1,519,025	$129,708	$99,720	$372,362	$601,791	$113,010	$714,801
	Total Hours/Dollars	373,584	1,752,259	$159,422	$109,156	$375,495	$644,074	$113,010	$757,084
	Todate Quantity		0	0		0	0		0
	To go Quantity		300,423	0		1,186,104	0		0
	Total Quantity		300,423	0		1,186,104	0		0

Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period	ERC Team Hours Manual	ERC Team Hours Non Manual	ERC Team Costs Labor	ERC Team Costs Matl/Equip/Unit	ERC Team Costs Subcontracts	Subtotal Cost	Contingency	Total Cost
	Hours and Dollars								
	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)		Vapor Processed (CM)

PBS: RL- RS01 SOUTH HANFORD INDUSTRIAL AREA CLEAN UP

Subproject WBS: 3.2.1.1 400 AREA

Operable Unit: 300 AREA INCTVE FAC. S&M

CA: UC1110 300 AREA FFTF SURVEILLANCE & MAINTENANCE

****300SM 300 AREA FFTF S&M**	**Todate Hours/Dollars**	0	7	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	11,573	18,419	$2,132	$73	$0	$2,205	$234	$2,439
POY 2001, SPSHT	**Total Hours/Dollars**	11,573	18,426	$2,133	$73	$0	$2,205	$234	$2,439
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: UC1110	**Todate Hours/Dollars**	0	7	$0	$0	$0	$0	N/A	$0
300 AREA FFTF SURVEILLANCE & MAINTENANCE	**To go Hours/Dollars**	11,573	18,419	$2,132	$73	$0	$2,205	$234	$2,439
CA Totals	**Total Hours/Dollars**	11,573	18,426	$2,133	$73	$0	$2,205	$234	$2,439
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
Operable Unit: 300 AREA INCTVE FAC. S&M	**Todate Hours/Dollars**	0	7	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	11,573	18,419	$2,132	$73	$0	$2,205	$234	$2,439
Operable Unit Totals	**Total Hours/Dollars**	11,573	18,426	$2,133	$73	$0	$2,205	$234	$2,439
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

Note: Site numbers preceded by ** are work activities.
Source/Calc Model/Comments is information only, and indicates the source of the last update/revision to the line item (e.g.; "Actuals 2000" or "Prior Actuals", indicates the last change to the values came from the reported actuals; "DWP 2001" indicates the values are from the published DWP Volumes), For descriptions of acronyms/abbreviations see Volume 1, Appendix D.

The first 6 characters of the Cost Account Number (CA) is the actual cost account number, additional characters indicate the account is split.

Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number
Subproject
Operable Unit
CA

Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)

PBS: RL- RS01 **SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**
Subproject WBS: 3.2.1.1 **400 AREA**
Operable Unit: BEMR (400 AREA)

CA: UB1216G **BEMR - D&D**

409A		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	1,956	2,641	$288	$265	$47	$600	$228	$828
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	1,956	2,641	$288	$265	$47	$600	$228	$828
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		2,750	0		0
		Total Quantity		0	0		2,750	0		0
409B		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	1,956	2,641	$288	$265	$47	$600	$228	$828
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	1,956	2,641	$288	$265	$47	$600	$228	$828
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		2,750	0		0
		Total Quantity		0	0		2,750	0		0
409C		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	1,956	2,641	$288	$265	$47	$600	$228	$828
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	1,956	2,641	$288	$265	$47	$600	$228	$828
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		2,750	0		0
		Total Quantity		0	0		2,750	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA	Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
		Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)	Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**									
Subproject WBS: 3.2.1.1	**400 AREA**									
Operable Unit: BEMR (400 AREA)										
409D		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	680	918	$100	$92	$16	$209	$79	$288
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	680	918	$100	$92	$16	$209	$79	$288
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		10,000	0		0
		Total Quantity		0	0		10,000	0		0
427		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	13,162	17,770	$1,939	$1,782	$318	$4,039	$1,535	$5,574
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	13,162	17,770	$1,939	$1,782	$318	$4,039	$1,535	$5,574
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		216,866	0		0
		Total Quantity		0	0		216,866	0		0
437		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	5,681	7,669	$837	$769	$137	$1,743	$662	$2,406
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	5,681	7,669	$837	$769	$137	$1,743	$662	$2,406
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		53,309	0		0
		Total Quantity		0	0		53,309	0		0
453A		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,428	3,278	$358	$329	$59	$745	$283	$1,028
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,428	3,278	$358	$329	$59	$745	$283	$1,028
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		700	0		0
		Total Quantity		0	0		700	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA	Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
		Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)	Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**									
Subproject WBS: 3.2.1.1	**400 AREA**									
Operable Unit: BEMR (400 AREA)										
453B		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,428	3,278	$358	$329	$59	$745	$283	$1,028
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,428	3,278	$358	$329	$59	$745	$283	$1,028
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		700	0		0
		Total Quantity		0	0		700	0		0
453C		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,428	3,278	$358	$329	$59	$745	$283	$1,028
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,428	3,278	$358	$329	$59	$745	$283	$1,028
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		700	0		0
		Total Quantity		0	0		700	0		0
4607		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,428	3,278	$358	$329	$59	$745	$283	$1,028
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,428	3,278	$358	$329	$59	$745	$283	$1,028
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		300	0		0
		Total Quantity		0	0		300	0		0
4608B		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,428	3,278	$358	$329	$59	$745	$283	$1,028
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,428	3,278	$358	$329	$59	$745	$283	$1,028
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		5,597	0		0
		Total Quantity		0	0		5,597	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA	Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
		Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)	Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**									
Subproject WBS: 3.2.1.1	**400 AREA**									
Operable Unit: BEMR (400 AREA)										
4713C		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,747	3,708	$405	$372	$66	$843	$320	$1,163
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,747	3,708	$405	$372	$66	$843	$320	$1,163
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		4,020	0		0
		Total Quantity		0	0		4,020	0		0
4713D		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	4,140	5,589	$610	$561	$100	$1,271	$483	$1,753
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	4,140	5,589	$610	$561	$100	$1,271	$483	$1,753
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		6,309	0		0
		Total Quantity		0	0		6,309	0		0
4717A		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,616	3,532	$386	$354	$63	$803	$305	$1,108
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,616	3,532	$386	$354	$63	$803	$305	$1,108
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		5,858	0		0
		Total Quantity		0	0		5,858	0		0
4734A		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,428	3,278	$358	$329	$59	$745	$283	$1,028
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,428	3,278	$358	$329	$59	$745	$283	$1,028
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		225	0		0
		Total Quantity		0	0		225	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA	Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
		Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)	Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**									
Subproject WBS: 3.2.1.1	**400 AREA**									
Operable Unit: BEMR (400 AREA)										
480B		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,428	3,278	$358	$329	$59	$745	$283	$1,028
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,428	3,278	$358	$329	$59	$745	$283	$1,028
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		17,561	0		0
		Total Quantity		0	0		17,561	0		0
4831		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	882	1,190	$130	$119	$21	$271	$103	$373
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	882	1,190	$130	$119	$21	$271	$103	$373
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		1,440	0		0
		Total Quantity		0	0		1,440	0		0
483A		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,428	3,278	$358	$329	$59	$745	$283	$1,028
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,428	3,278	$358	$329	$59	$745	$283	$1,028
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		5,597	0		0
		Total Quantity		0	0		5,597	0		0
4851		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,428	3,278	$358	$329	$59	$745	$283	$1,028
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,428	3,278	$358	$329	$59	$745	$283	$1,028
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		5,597	0		0
		Total Quantity		0	0		5,597	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period / Hours and Dollars / Quantity	ERC Team Hours: Manual	ERC Team Hours: Non Manual	ERC Team Costs: Labor	ERC Team Costs: Matl/Equip/Unit	ERC Team Costs: Subcontracts	Subtotal Cost	Contingency	Total Cost
PBS: RL- RS01 SOUTH HANFORD INDUSTRIAL AREA CLEAN UP									
Subproject WBS: 3.2.1.1 400 AREA									
Operable Unit: BEMR (400 AREA)									
CA: UB1216G	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
BEMR - D&D	**To go Hours/Dollars**	57,628	77,803	$8,492	$7,802	$1,392	$17,686	$6,721	$24,407
CA Totals	**Total Hours/Dollars**	57,628	77,803	$8,492	$7,802	$1,392	$17,686	$6,721	$24,407
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		343,029	0		0
	Total Quantity		0	0		343,029	0		0
Operable Unit: BEMR (400 AREA)	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	57,628	77,803	$8,492	$7,802	$1,392	$17,686	$6,721	$24,407
Operable Unit Totals	**Total Hours/Dollars**	57,628	77,803	$8,492	$7,802	$1,392	$17,686	$6,721	$24,407
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		343,029	0		0
	Total Quantity		0	0		343,029	0		0
Subproject WBS: 3.2.1.1	**Todate Hours/Dollars**	0	7	$0	$0	$0	$0	N/A	$0
400 AREA	**To go Hours/Dollars**	69,201	96,222	$10,624	$7,875	$1,392	$19,891	$6,954	$26,845
Subproject Totals	**Total Hours/Dollars**	69,201	96,229	$10,625	$7,875	$1,392	$19,891	$6,954	$26,846
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		343,029	0		0
	Total Quantity		0	0		343,029	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	

PBS: RL- RS01 **SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**
Subproject WBS: 3.2.1.2 **SOUTHERN ZONE**
Operable Unit: 300-FF-2

CA: P22211M REMEDIATION - ALL SITES

618-10	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	30,273	50,223	$6,731	$744	$16,483	$23,957	$4,983	$28,940
3BGN04 PLUS SPREADSHEET MODEL 100% LEVEL B PROTECTION	**Total Hours/Dollars**	30,273	50,223	$6,731	$744	$16,483	$23,957	$4,983	$28,940
	Todate Quantity		0	0	0		0		0
	To go Quantity		146,813	0	0		0		0
	Total Quantity		146,813	0	0		0		0
CA: P22211M	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
REMEDIATION - ALL SITES	**To go Hours/Dollars**	30,273	50,223	$6,731	$744	$16,483	$23,957	$4,983	$28,940
CA Totals	**Total Hours/Dollars**	30,273	50,223	$6,731	$744	$16,483	$23,957	$4,983	$28,940
	Todate Quantity		0	0	0		0		0
	To go Quantity		146,813	0	0		0		0
	Total Quantity		146,813	0	0		0		0
Operable Unit: 300-FF-2	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	30,273	50,223	$6,731	$744	$16,483	$23,957	$4,983	$28,940
Operable Unit Totals	**Total Hours/Dollars**	30,273	50,223	$6,731	$744	$16,483	$23,957	$4,983	$28,940
	Todate Quantity		0	0	0		0		0
	To go Quantity		146,813	0	0		0		0
	Total Quantity		146,813	0	0		0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number
Subproject
Operable Unit
CA

Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)

PBS: RL- RS01 **SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**
Subproject WBS: 3.2.1.2 **SOUTHERN ZONE**
Operable Unit: BEMR (300-FF AREA)

CA: UB1216F **BEMR - D&D**

303P41	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	1,735	2,342	$256	$235	$42	$532	$202	$735
BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	1,735	2,342	$256	$235	$42	$532	$202	$735
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		2,400	0		0
	Total Quantity		0	0		2,400	0		0
304C	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	1,126	1,520	$166	$152	$27	$345	$131	$477
BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	1,126	1,520	$166	$152	$27	$345	$131	$477
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		2,520	0		0
	Total Quantity		0	0		2,520	0		0
305AA	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	2,428	3,278	$358	$329	$59	$745	$283	$1,028
BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,428	3,278	$358	$329	$59	$745	$283	$1,028
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		144	0		0
	Total Quantity		0	0		144	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA	Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
		Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)	Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**									
Subproject WBS: 3.2.1.2	**SOUTHERN ZONE**									
Operable Unit: BEMR (300-FF AREA)										
314A		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,428	3,278	$358	$329	$59	$745	$283	$1,028
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,428	3,278	$358	$329	$59	$745	$283	$1,028
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		5,597	0		0
		Total Quantity		0	0		5,597	0		0
315A		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,428	3,278	$358	$329	$59	$745	$283	$1,028
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,428	3,278	$358	$329	$59	$745	$283	$1,028
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		10,800	0		0
		Total Quantity		0	0		10,800	0		0
318		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	6,866	9,270	$1,012	$930	$166	$2,107	$801	$2,908
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	6,866	9,270	$1,012	$930	$166	$2,107	$801	$2,908
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		32,662	0		0
		Total Quantity		0	0		32,662	0		0
318B		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,428	3,278	$358	$329	$59	$745	$283	$1,028
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,428	3,278	$358	$329	$59	$745	$283	$1,028
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		5,597	0		0
		Total Quantity		0	0		5,597	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA	Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
		Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)	Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**									
Subproject WBS: 3.2.1.2	**SOUTHERN ZONE**									
Operable Unit: BEMR (300-FF AREA)										
318C		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	359	485	$53	$49	$9	$110	$42	$152
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	359	485	$53	$49	$9	$110	$42	$152
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		360	0		0
		Total Quantity		0	0		360	0		0
320		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	7,577	10,230	$1,117	$1,026	$183	$2,325	$884	$3,209
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	7,577	10,230	$1,117	$1,026	$183	$2,325	$884	$3,209
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		31,437	0		0
		Total Quantity		0	0		31,437	0		0
325		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	9,461	12,773	$1,394	$1,281	$228	$2,903	$1,103	$4,007
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	9,461	12,773	$1,394	$1,281	$228	$2,903	$1,103	$4,007
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		144,092	0		0
		Total Quantity		0	0		144,092	0		0
325A		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	4,597	6,206	$677	$622	$111	$1,411	$536	$1,947
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	4,597	6,206	$677	$622	$111	$1,411	$536	$1,947
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		10,675	0		0
		Total Quantity		0	0		10,675	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA	Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
		Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)	Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**									
Subproject WBS: 3.2.1.2	**SOUTHERN ZONE**									
Operable Unit: BEMR (300-FF AREA)										
325B		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	4,597	6,206	$677	$622	$111	$1,411	$536	$1,947
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	4,597	6,206	$677	$622	$111	$1,411	$536	$1,947
		Todate Quantity		0		0	0		0	0
		To go Quantity		0		0	10,675		0	0
		Total Quantity		0		0	10,675		0	0
325C		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,293	3,095	$338	$310	$55	$704	$267	$971
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,293	3,095	$338	$310	$55	$704	$267	$971
		Todate Quantity		0		0	0		0	0
		To go Quantity		0		0	6,360		0	0
		Total Quantity		0		0	6,360		0	0
325D		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,428	3,278	$358	$329	$59	$745	$283	$1,028
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,428	3,278	$358	$329	$59	$745	$283	$1,028
		Todate Quantity		0		0	0		0	0
		To go Quantity		0		0	5,597		0	0
		Total Quantity		0		0	5,597		0	0
326		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	12,784	17,260	$1,884	$1,731	$309	$3,923	$1,491	$5,414
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	12,784	17,260	$1,884	$1,731	$309	$3,923	$1,491	$5,414
		Todate Quantity		0		0	0		0	0
		To go Quantity		0		0	63,101		0	0
		Total Quantity		0		0	63,101		0	0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA	Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
		Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)	Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**									
Subproject WBS: 3.2.1.2	**SOUTHERN ZONE**									
Operable Unit: BEMR (300-FF AREA)										
329		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	12,018	16,225	$1,771	$1,627	$290	$3,688	$1,402	$5,090
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	12,018	16,225	$1,771	$1,627	$290	$3,688	$1,402	$5,090
		Todate Quantity		0		0	0		0	0
		To go Quantity		0		0	39,420		0	0
		Total Quantity		0		0	39,420		0	0
331		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	7,753	10,467	$1,142	$1,050	$187	$2,379	$904	$3,283
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	7,753	10,467	$1,142	$1,050	$187	$2,379	$904	$3,283
		Todate Quantity		0		0	0		0	0
		To go Quantity		0		0	117,240		0	0
		Total Quantity		0		0	117,240		0	0
331HB		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,428	3,278	$358	$329	$59	$745	$283	$1,028
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,428	3,278	$358	$329	$59	$745	$283	$1,028
		Todate Quantity		0		0	0		0	0
		To go Quantity		0		0	1,272		0	0
		Total Quantity		0		0	1,272		0	0
333A		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,428	3,278	$358	$329	$59	$745	$283	$1,028
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,428	3,278	$358	$329	$59	$745	$283	$1,028
		Todate Quantity		0		0	0		0	0
		To go Quantity		0		0	5,597		0	0
		Total Quantity		0		0	5,597		0	0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA	Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
		Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)	Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**									
Subproject WBS: 3.2.1.2	**SOUTHERN ZONE**									
Operable Unit: BEMR (300-FF AREA)										
3408		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,501	3,377	$369	$339	$60	$768	$292	$1,059
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,501	3,377	$369	$339	$60	$768	$292	$1,059
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		5,600	0		0
		Total Quantity		0	0		5,600	0		0
3503B		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,428	3,278	$358	$329	$59	$745	$283	$1,028
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,428	3,278	$358	$329	$59	$745	$283	$1,028
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		80	0		0
		Total Quantity		0	0		80	0		0
350A		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	859	1,160	$127	$116	$21	$264	$100	$364
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	859	1,160	$127	$116	$21	$264	$100	$364
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		1,400	0		0
		Total Quantity		0	0		1,400	0		0
350D		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	612	826	$90	$83	$15	$188	$71	$259
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	612	826	$90	$83	$15	$188	$71	$259
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		960	0		0
		Total Quantity		0	0		960	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA	Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
		Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)	Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**									
Subproject WBS: 3.2.1.2	**SOUTHERN ZONE**									
Operable Unit: BEMR (300-FF AREA)										
351		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,428	3,278	$358	$329	$59	$745	$283	$1,028
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,428	3,278	$358	$329	$59	$745	$283	$1,028
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		280	0		0
		Total Quantity		0	0		280	0		0
351C		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,428	3,278	$358	$329	$59	$745	$283	$1,028
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,428	3,278	$358	$329	$59	$745	$283	$1,028
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		192	0		0
		Total Quantity		0	0		192	0		0
352C		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,428	3,278	$358	$329	$59	$745	$283	$1,028
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,428	3,278	$358	$329	$59	$745	$283	$1,028
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		196	0		0
		Total Quantity		0	0		196	0		0
352G		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,428	3,278	$358	$329	$59	$745	$283	$1,028
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,428	3,278	$358	$329	$59	$745	$283	$1,028
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		5,597	0		0
		Total Quantity		0	0		5,597	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars / Quantity	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
		Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)	Water Processed (L)	Vapor Processed (CM)	
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**								
Subproject WBS: 3.2.1.2	**SOUTHERN ZONE**								
Operable Unit: BEMR (300-FF AREA)									
3614B	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	2,428	3,278	$358	$329	$59	$745	$283	$1,028
BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,428	3,278	$358	$329	$59	$745	$283	$1,028
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		5,597	0		0
	Total Quantity		0	0		5,597	0		0
3710A	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	205	277	$30	$28	$5	$63	$24	$87
BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	205	277	$30	$28	$5	$63	$24	$87
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		270	0		0
	Total Quantity		0	0		270	0		0
3718F	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	612	826	$90	$83	$15	$188	$71	$259
BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	612	826	$90	$83	$15	$188	$71	$259
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		960	0		0
	Total Quantity		0	0		960	0		0
3718O	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	680	918	$100	$92	$16	$209	$79	$288
BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	680	918	$100	$92	$16	$209	$79	$288
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		800	0		0
	Total Quantity		0	0		800	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA	Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
		Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)	Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**									
Subproject WBS: 3.2.1.2	**SOUTHERN ZONE**									
Operable Unit: BEMR (300-FF AREA)										
3726		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,428	3,278	$358	$329	$59	$745	$283	$1,028
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,428	3,278	$358	$329	$59	$745	$283	$1,028
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		250	0		0
		Total Quantity		0	0		250	0		0
3734A		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	509	687	$75	$69	$12	$156	$59	$216
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	509	687	$75	$69	$12	$156	$59	$216
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		780	0		0
		Total Quantity		0	0		780	0		0
3747		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	3,037	4,100	$448	$411	$73	$932	$354	$1,286
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	3,037	4,100	$448	$411	$73	$932	$354	$1,286
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		5,000	0		0
		Total Quantity		0	0		5,000	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	
PBS: RL- RS01 SOUTH HANFORD INDUSTRIAL AREA CLEAN UP									
Subproject WBS: 3.2.1.2 SOUTHERN ZONE									
Operable Unit: BEMR (300-FF AREA)									
CA: UB1216F	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
BEMR - D&D	**To go Hours/Dollars**	114,173	154,143	$16,824	$15,458	$2,757	$35,039	$13,315	$48,354
CA Totals	**Total Hours/Dollars**	114,173	154,143	$16,824	$15,458	$2,757	$35,039	$13,315	$48,354
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		523,508	0		0
	Total Quantity		0	0		523,508	0		0
Operable Unit: BEMR (300-FF AREA)	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	114,173	154,143	$16,824	$15,458	$2,757	$35,039	$13,315	$48,354
Operable Unit Totals	**Total Hours/Dollars**	114,173	154,143	$16,824	$15,458	$2,757	$35,039	$13,315	$48,354
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		523,508	0		0
	Total Quantity		0	0		523,508	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number
Subproject
Operable Unit
CA

Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)

PBS: RL- RS01 **SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**
Subproject WBS: 3.2.1.2 **SOUTHERN ZONE**
Operable Unit: BEMR (FFTF)

CA: UB1216H **BEMR - D&D**

403		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,995	4,044	$441	$406	$72	$919	$349	$1,269
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,995	4,044	$441	$406	$72	$919	$349	$1,269
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		13,273	0		0
		Total Quantity		0	0		13,273	0		0
405		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	12,597	17,008	$1,856	$1,706	$304	$3,866	$1,469	$5,335
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	12,597	17,008	$1,856	$1,706	$304	$3,866	$1,469	$5,335
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		86,103	0		0
		Total Quantity		0	0		86,103	0		0
408A		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	11,948	16,131	$1,761	$1,618	$289	$3,667	$1,393	$5,060
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	11,948	16,131	$1,761	$1,618	$289	$3,667	$1,393	$5,060
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		19,590	0		0
		Total Quantity		0	0		19,590	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number
Subproject
Operable Unit
CA

Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	

PBS: RL- RS01 **SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**
Subproject WBS: 3.2.1.2 **SOUTHERN ZONE**
Operable Unit: BEMR (FFTF)

408B		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	11,797	15,926	$1,738	$1,597	$285	$3,620	$1,376	$4,996
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	11,797	15,926	$1,738	$1,597	$285	$3,620	$1,376	$4,996
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		19,328	0		0
		Total Quantity		0	0		19,328	0		0
408C		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	11,913	16,084	$1,756	$1,613	$288	$3,656	$1,389	$5,046
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	11,913	16,084	$1,756	$1,613	$288	$3,656	$1,389	$5,046
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		19,530	0		0
		Total Quantity		0	0		19,530	0		0
4621E		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	3,757	5,072	$554	$509	$91	$1,153	$438	$1,591
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	3,757	5,072	$554	$509	$91	$1,153	$438	$1,591
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		17,025	0		0
		Total Quantity		0	0		17,025	0		0
4621W		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	2,951	3,984	$435	$400	$71	$906	$344	$1,250
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,951	3,984	$435	$400	$71	$906	$344	$1,250
		Todate Quantity		0	0		0	0		0
		To go Quantity		0	0		8,704	0		0
		Total Quantity		0	0		8,704	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period / Hours and Dollars / Quantity	ERC Team Hours: Manual	ERC Team Hours: Non Manual	ERC Team Costs: Labor	ERC Team Costs: Matl/Equip/Unit	ERC Team Costs: Subcontracts	Subtotal Cost	Contingency	Total Cost
PBS: RL- RS01 SOUTH HANFORD INDUSTRIAL AREA CLEAN UP									
Subproject WBS: 3.2.1.2 SOUTHERN ZONE									
Operable Unit: BEMR (FFTF)									
4703	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	3,221	4,348	$475	$436	$78	$988	$376	$1,364
BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	3,221	4,348	$475	$436	$78	$988	$376	$1,364
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		14,420	0		0
	Total Quantity		0	0		14,420	0		0
4717	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	6,288	8,490	$927	$851	$152	$1,930	$733	$2,663
BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	6,288	8,490	$927	$851	$152	$1,930	$733	$2,663
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		49,545	0		0
	Total Quantity		0	0		49,545	0		0
483	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	2,428	3,278	$358	$329	$59	$745	$283	$1,028
BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	2,428	3,278	$358	$329	$59	$745	$283	$1,028
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		14,933	0		0
	Total Quantity		0	0		14,933	0		0
484	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	3,768	5,088	$555	$510	$91	$1,156	$439	$1,596
BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	3,768	5,088	$555	$510	$91	$1,156	$439	$1,596
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		8,437	0		0
	Total Quantity		0	0		8,437	0		0

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(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Source / Calc Model / Comment	Time Period	ERC Team Hours		ERC Team Costs					
		Hours and Dollars / Quantity	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
			Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)	Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**									
Subproject WBS: 3.2.1.2	**SOUTHERN ZONE**									
Operable Unit: BEMR (FFTF)										
491E		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	3,645	4,922	$537	$494	$88	$1,119	$425	$1,544
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	3,645	4,922	$537	$494	$88	$1,119	$425	$1,544
		Todate Quantity		0		0	0		0	0
		To go Quantity		0		0	16,473		0	0
		Total Quantity		0		0	16,473		0	0
491S		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	5,321	7,183	$784	$720	$128	$1,633	$621	$2,253
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	5,321	7,183	$784	$720	$128	$1,633	$621	$2,253
		Todate Quantity		0		0	0		0	0
		To go Quantity		0		0	8,280		0	0
		Total Quantity		0		0	8,280		0	0
491W		**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
		To go Hours/Dollars	3,942	5,322	$581	$534	$95	$1,210	$460	$1,670
	BEMR SPSHT BEMR COSTS ARE FROM BCP 96192 (96 BASELINE) ADJUSTED FOR RATE CHANGES AND ESCALATION.	**Total Hours/Dollars**	3,942	5,322	$581	$534	$95	$1,210	$460	$1,670
		Todate Quantity		0		0	0		0	0
		To go Quantity		0		0	23,926		0	0
		Total Quantity		0		0	23,926		0	0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS01 SOUTH HANFORD INDUSTRIAL AREA CLEAN UP									
Subproject WBS: 3.2.1.2 SOUTHERN ZONE									
Operable Unit: BEMR (FFTF)									
CA: UB1216H	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
BEMR - D&D	**To go Hours/Dollars**	86,573	116,880	$12,757	$11,721	$2,091	$26,569	$10,096	$36,665
CA Totals	**Total Hours/Dollars**	86,573	116,880	$12,757	$11,721	$2,091	$26,569	$10,096	$36,665
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		319,567	0		0
	Total Quantity		0	0		319,567	0		0
Operable Unit: BEMR (FFTF)	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	86,573	116,880	$12,757	$11,721	$2,091	$26,569	$10,096	$36,665
Operable Unit Totals	**Total Hours/Dollars**	86,573	116,880	$12,757	$11,721	$2,091	$26,569	$10,096	$36,665
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		319,567	0		0
	Total Quantity		0	0		319,567	0		0
Subproject WBS: 3.2.1.2	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
SOUTHERN ZONE	**To go Hours/Dollars**	231,019	321,246	$36,312	$27,923	$21,331	$85,565	$28,394	$113,960
Subproject Totals	**Total Hours/Dollars**	231,019	321,246	$36,312	$27,923	$21,331	$85,565	$28,394	$113,960
	Todate Quantity		0	0		0	0		0
	To go Quantity		146,813	0		843,075	0		0
	Total Quantity		146,813	0		843,075	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period / Hours and Dollars / Quantity	ERC Team Hours: Manual	ERC Team Hours: Non Manual	ERC Team Costs: Labor	ERC Team Costs: Matl/Equip/Unit	ERC Team Costs: Subcontracts	Subtotal Cost	Contingency	Total Cost
PBS: RL- RS01 SOUTH HANFORD INDUSTRIAL AREA CLEAN UP									
Subproject WBS: 3.2.1.3 NORTHERN ZONE									
Operable Unit: 300-FF-2									
CA: P22211N REMEDIATION - ALL SITES									
618-11	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	30,439	49,633	$6,711	$759	$343,202	$350,672	$72,940	$423,612
3BGN04 PLUS SPREADSHEET MODEL 100% LEVEL B PROTECTION	**Total Hours/Dollars**	30,439	49,633	$6,711	$759	$343,202	$350,672	$72,940	$423,612
	Todate Quantity		0	0	0		0		0
	To go Quantity		153,610	0	0		0		0
	Total Quantity		153,610	0	0		0		0
CA: P22211N REMEDIATION - ALL SITES	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
CA Totals	**To go Hours/Dollars**	30,439	49,633	$6,711	$759	$343,202	$350,672	$72,940	$423,612
	Total Hours/Dollars	30,439	49,633	$6,711	$759	$343,202	$350,672	$72,940	$423,612
	Todate Quantity		0	0	0		0		0
	To go Quantity		153,610	0	0		0		0
	Total Quantity		153,610	0	0		0		0
Operable Unit: 300-FF-2	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
Operable Unit Totals	**To go Hours/Dollars**	30,439	49,633	$6,711	$759	$343,202	$350,672	$72,940	$423,612
	Total Hours/Dollars	30,439	49,633	$6,711	$759	$343,202	$350,672	$72,940	$423,612
	Todate Quantity		0	0	0		0		0
	To go Quantity		153,610	0	0		0		0
	Total Quantity		153,610	0	0		0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number
Subproject
Operable Unit
CA

Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)

PBS: RL- RS01 **SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**
Subproject WBS: 3.2.1.3 **NORTHERN ZONE**
Operable Unit: 300-FF-2

Subproject WBS: 3.2.1.3	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
NORTHERN ZONE	**To go Hours/Dollars**	30,439	49,633	$6,711	$759	$343,202	$350,672	$72,940	$423,612
Subproject Totals	**Total Hours/Dollars**	30,439	49,633	$6,711	$759	$343,202	$350,672	$72,940	$423,612
	Todate Quantity		0	0		0	0		0
	To go Quantity		153,610	0		0	0		0
	Total Quantity		153,610	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)

PBS: RL- RS01 **SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**

Subproject WBS: 3.2.1.4 **PROJECT MANAGEMENT & SUPPORT**

Operable Unit: ERC PM&S

CA: EA1110E ASSESSMENT

****PM&S- PROJ TECH SUPT ASSESSMENT**	**Todate Hours/Dollars**	33,110	154,964	$24,768	$1,828	$1,730	$28,326	N/A	$28,326
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
PRIOR ACTUALS	**Total Hours/Dollars**	33,110	154,964	$24,768	$1,828	$1,730	$28,326	$0	$28,326
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA1110E ASSESSMENT	**Todate Hours/Dollars**	33,110	154,964	$24,768	$1,828	$1,730	$28,326	N/A	$28,326
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
CA Totals	**Total Hours/Dollars**	33,110	154,964	$24,768	$1,828	$1,730	$28,326	$0	$28,326
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

CA: EA1116E RIVER CORRIDOR INITIATIVE MANAGEMENT

****COLUMBIAL RIVER CORRIDOR**	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
ACTUALS 2000	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**								
Subproject WBS: 3.2.1.4	**PROJECT MANAGEMENT & SUPPORT**								
Operable Unit: ERC PM&S									
CA: EA1116E	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
RIVER CORRIDOR INITIATIVE MANAGEMENT	**To go Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
CA Totals	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0		0		0	0	0
	To go Quantity		0		0		0	0	0
	Total Quantity		0		0		0	0	0
CA: EA1201E TECHNICAL APPLICATIONS									
****PM&S-TECH APPLICATIONS**	**Todate Hours/Dollars**	9	1,717	$155	$9	$148	$312	N/A	$312
	To go Hours/Dollars	0	19,295	$1,691	$66	$1,268	$3,025	$145	$3,170
POY 2001, SPSHT	**Total Hours/Dollars**	9	21,012	$1,846	$75	$1,416	$3,337	$145	$3,482
	Todate Quantity		0		0		0	0	0
	To go Quantity		0		0		0	0	0
	Total Quantity		0		0		0	0	0
CA: EA1201E	**Todate Hours/Dollars**	9	1,717	$155	$9	$148	$312	N/A	$312
TECHNICAL APPLICATIONS	**To go Hours/Dollars**	0	19,295	$1,691	$66	$1,268	$3,025	$145	$3,170
CA Totals	**Total Hours/Dollars**	9	21,012	$1,846	$75	$1,416	$3,337	$145	$3,482
	Todate Quantity		0		0		0	0	0
	To go Quantity		0		0		0	0	0
	Total Quantity		0		0		0	0	0
CA: EA1202E ENVIRONMENTAL SCIENCES									

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period / Hours and Dollars / Quantity	ERC Team Hours: Manual	ERC Team Hours: Non Manual	ERC Team Costs: Labor	ERC Team Costs: Matl/Equip/Unit	ERC Team Costs: Subcontracts	Subtotal Cost	Contingency	Total Cost
		Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**								
Subproject WBS: 3.2.1.4	**PROJECT MANAGEMENT & SUPPORT**								
Operable Unit: ERC PM&S									
****PM&S-ENVIR SCIENCES**	**Todate Hours/Dollars**	3	4,902	$356	$9	$127	$492	N/A	$492
	To go Hours/Dollars	0	60,607	$4,988	$46	$1,381	$6,415	$308	$6,723
POY 2001, SPSHT	**Total Hours/Dollars**	3	65,508	$5,343	$55	$1,509	$6,907	$308	$7,215
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA1202E	**Todate Hours/Dollars**	3	4,902	$356	$9	$127	$492	N/A	$492
ENVIRONMENTAL SCIENCES	**To go Hours/Dollars**	0	60,607	$4,988	$46	$1,381	$6,415	$308	$6,723
CA Totals	**Total Hours/Dollars**	3	65,508	$5,343	$55	$1,509	$6,907	$308	$7,215
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA1203E SAMPLE & DATA MANAGEMENT									
****PM&S- SAMPLE&DATA MNGMNT**	**Todate Hours/Dollars**	87	9,716	$641	$230	$222	$1,093	N/A	$1,093
	To go Hours/Dollars	0	166,460	$11,710	$539	$888	$13,137	$631	$13,767
POY 2001, SPSHT	**Total Hours/Dollars**	87	176,175	$12,350	$769	$1,110	$14,229	$631	$14,860
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period / Hours and Dollars / Quantity	ERC Team Hours: Manual	ERC Team Hours: Non Manual	ERC Team Costs: Labor	ERC Team Costs: Matl/Equip/Unit	ERC Team Costs: Subcontracts	Subtotal Cost	Contingency	Total Cost
		Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**								
Subproject WBS: 3.2.1.4	**PROJECT MANAGEMENT & SUPPORT**								
Operable Unit: ERC PM&S									
CA: EA1203E	**Todate Hours/Dollars**	87	9,716	$641	$230	$222	$1,093	N/A	$1,093
SAMPLE & DATA MANAGEMENT	**To go Hours/Dollars**	0	166,460	$11,710	$539	$888	$13,137	$631	$13,767
CA Totals	**Total Hours/Dollars**	87	176,175	$12,350	$769	$1,110	$14,229	$631	$14,860
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA1204E REGULATORY SUPPORT									
****PM&S- REG SUPPORT**	**Todate Hours/Dollars**	1	3,843	$276	$7	$52	$335	N/A	$335
	To go Hours/Dollars	0	50,096	$4,262	$60	$262	$4,584	$220	$4,805
POY 2001, SPSHT	**Total Hours/Dollars**	1	53,939	$4,539	$67	$314	$4,919	$220	$5,139
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA1204E	**Todate Hours/Dollars**	1	3,843	$276	$7	$52	$335	N/A	$335
REGULATORY SUPPORT	**To go Hours/Dollars**	0	50,096	$4,262	$60	$262	$4,584	$220	$4,805
CA Totals	**Total Hours/Dollars**	1	53,939	$4,539	$67	$314	$4,919	$220	$5,139
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA1205E DESIGN ENGINEERING									

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number
Subproject
Operable Unit
CA

Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	

PBS: RL- RS01 **SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**
Subproject WBS: 3.2.1.4 **PROJECT MANAGEMENT & SUPPORT**
Operable Unit: ERC PM&S

****PM&S- DESIGN ENGRG**	**Todate Hours/Dollars**	0	3,095	$251	$7	$153	$411	N/A	$411
	To go Hours/Dollars	0	50,896	$4,370	$74	$465	$4,909	$236	$5,144
POY 2001, SPSHT	**Total Hours/Dollars**	0	53,990	$4,621	$80	$618	$5,320	$236	$5,555
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA1205E	**Todate Hours/Dollars**	0	3,095	$251	$7	$153	$411	N/A	$411
DESIGN ENGINEERING	**To go Hours/Dollars**	0	50,896	$4,370	$74	$465	$4,909	$236	$5,144
CA Totals	**Total Hours/Dollars**	0	53,990	$4,621	$80	$618	$5,320	$236	$5,555
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

CA: EA1206E FIELD SUPPORT

****PM&S- FLD SUPPORT**	**Todate Hours/Dollars**	0	48	$3	$115	$5	$123	N/A	$123
	To go Hours/Dollars	0	313	$23	$897	$0	$920	$44	$964
POY 2001, SPSHT	**Total Hours/Dollars**	0	361	$26	$1,012	$5	$1,043	$44	$1,087
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period / Hours and Dollars / Quantity	ERC Team Hours: Manual	ERC Team Hours: Non Manual	ERC Team Costs: Labor	ERC Team Costs: Matl/Equip/Unit	ERC Team Costs: Subcontracts	Subtotal Cost	Contingency	Total Cost
		Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	
PBS: RL- RS01 SOUTH HANFORD INDUSTRIAL AREA CLEAN UP									
Subproject WBS: 3.2.1.4 PROJECT MANAGEMENT & SUPPORT									
Operable Unit: ERC PM&S									
CA: EA1206E	**Todate Hours/Dollars**	0	48	$3	$115	$5	$123	N/A	$123
FIELD SUPPORT	**To go Hours/Dollars**	0	313	$23	$897	$0	$920	$44	$964
CA Totals	**Total Hours/Dollars**	0	361	$26	$1,012	$5	$1,043	$44	$1,087
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA1207E ERC YEAR 2000 COMPLIANCE									
****PM&S- ERC YEAR 2000 COMPLIANCE**	**Todate Hours/Dollars**	3	292	$16	($5)	$0	$11	N/A	$11
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
ACTUALS 2000	**Total Hours/Dollars**	3	292	$16	($5)	$0	$11	$0	$11
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA1207E	**Todate Hours/Dollars**	3	292	$16	($5)	$0	$11	N/A	$11
ERC YEAR 2000 COMPLIANCE	**To go Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
CA Totals	**Total Hours/Dollars**	3	292	$16	($5)	$0	$11	$0	$11
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA1208E WASTE MANAGEMENT AND TRANSPORTATION									

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number
Subproject
Operable Unit
CA

Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)

PBS: RL- RS01 **SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**
Subproject WBS: 3.2.1.4 **PROJECT MANAGEMENT & SUPPORT**
Operable Unit: ERC PM&S

****PM&S- WASTE MANAGEMENT AND TRANSPORTATION**	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	0	10,453	$734	$0	$0	$734	$35	$769
POY 2001, SPSHT	**Total Hours/Dollars**	0	10,453	$734	$0	$0	$734	$35	$769
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA1208E	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
WASTE MANAGEMENT AND TRANSPORTATION	**To go Hours/Dollars**	0	10,453	$734	$0	$0	$734	$35	$769
CA Totals	**Total Hours/Dollars**	0	10,453	$734	$0	$0	$734	$35	$769
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA2110E ASSESSMENT									
****PM&S- PROJ & PROG SUPT ASSESSMENT**	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
PRIOR ACTUALS	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number
Subproject
Operable Unit
CA

Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	

PBS: RL- RS01 **SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**
Subproject WBS: 3.2.1.4 **PROJECT MANAGEMENT & SUPPORT**
Operable Unit: ERC PM&S

CA: EA2110E	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
ASSESSMENT	**To go Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
CA Totals	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0		0		0	0	0
	To go Quantity		0		0		0	0	0
	Total Quantity		0		0		0	0	0
CA: EA2203E EXTERNAL AFFAIRS									
****PM&S- EXTERNAL AFFAIRS**	**Todate Hours/Dollars**	25	3,025	$213	$10	$22	$246	N/A	$246
	To go Hours/Dollars	322	40,562	$3,376	$28	$269	$3,672	$176	$3,849
POY 2001, SPSHT	**Total Hours/Dollars**	347	43,587	$3,589	$38	$291	$3,918	$176	$4,095
	Todate Quantity		0		0		0	0	0
	To go Quantity		0		0		0	0	0
	Total Quantity		0		0		0	0	0
CA: EA2203E	**Todate Hours/Dollars**	25	3,025	$213	$10	$22	$246	N/A	$246
EXTERNAL AFFAIRS	**To go Hours/Dollars**	322	40,562	$3,376	$28	$269	$3,672	$176	$3,849
CA Totals	**Total Hours/Dollars**	347	43,587	$3,589	$38	$291	$3,918	$176	$4,095
	Todate Quantity		0		0		0	0	0
	To go Quantity		0		0		0	0	0
	Total Quantity		0		0		0	0	0
CA: EA2205E PROJECT PROCUREMENT									

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period / Hours and Dollars / Quantity	ERC Team Hours: Manual	ERC Team Hours: Non Manual	ERC Team Costs: Labor	ERC Team Costs: Matl/Equip/Unit	ERC Team Costs: Subcontracts	Subtotal Cost	Contingency	Total Cost
		Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)
PBS: RL- RS01 SOUTH HANFORD INDUSTRIAL AREA CLEAN UP									
Subproject WBS: 3.2.1.4 PROJECT MANAGEMENT & SUPPORT									
Operable Unit: ERC PM&S									
****PM&S- PROJ PROCUREMENT**	**Todate Hours/Dollars**	6	3,379	$192	$5	$4	$201	N/A	$201
	To go Hours/Dollars	0	33,203	$2,366	$112	$19	$2,498	$120	$2,618
POY 2001, SPSHT	**Total Hours/Dollars**	6	36,582	$2,558	$117	$24	$2,699	$120	$2,819
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA2205E	**Todate Hours/Dollars**	6	3,379	$192	$5	$4	$201	N/A	$201
PROJECT PROCUREMENT	**To go Hours/Dollars**	0	33,203	$2,366	$112	$19	$2,498	$120	$2,618
CA Totals	**Total Hours/Dollars**	6	36,582	$2,558	$117	$24	$2,699	$120	$2,819
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA2206E RECORDS & DOCUMENT CONTROL									
****PM&S- RECORDS & DOC CNTRL**	**Todate Hours/Dollars**	759	13,396	$558	$20	$117	$695	N/A	$695
	To go Hours/Dollars	8,183	140,819	$6,626	$281	$560	$7,467	$358	$7,826
POY 2001, SPSHT	**Total Hours/Dollars**	8,943	154,214	$7,184	$300	$678	$8,162	$358	$8,521
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period / Hours and Dollars / Quantity	ERC Team Hours: Manual	ERC Team Hours: Non Manual	ERC Team Costs: Labor	ERC Team Costs: Matl/Equip/Unit	ERC Team Costs: Subcontracts	Subtotal Cost	Contingency	Total Cost
		Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)	Water Processed (L)	Vapor Processed (CM)	
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**								
Subproject WBS: 3.2.1.4	**PROJECT MANAGEMENT & SUPPORT**								
Operable Unit: ERC PM&S									
CA: EA2206E	**Todate Hours/Dollars**	759	13,396	$558	$20	$117	$695	N/A	$695
RECORDS & DOCUMENT CONTROL	**To go Hours/Dollars**	8,183	140,819	$6,626	$281	$560	$7,467	$358	$7,826
CA Totals	**Total Hours/Dollars**	8,943	154,214	$7,184	$300	$678	$8,162	$358	$8,521
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA2208E	**100N WATER PLANT / SEWAGE MODIFICATION**								
****100-N WATER PLANT/SEWAGE MODIFICATION**	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
ACTUALS 2000	**To go Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Total Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA2208E	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
100N WATER PLANT / SEWAGE MODIFICATION	**To go Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
CA Totals	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA3202E	**PROJECT BASELINE MANAGEMENT**								

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**								
Subproject WBS: 3.2.1.4	**PROJECT MANAGEMENT & SUPPORT**								
Operable Unit: ERC PM&S									
****PM&S-BASELINE MNGMNT**	**Todate Hours/Dollars**	0	5,689	$389	$1	$100	$490	N/A	$490
	To go Hours/Dollars	0	89,110	$6,461	$0	$244	$6,705	$322	$7,027
POY 2001, SPSHT	**Total Hours/Dollars**	0	94,799	$6,850	$1	$344	$7,195	$322	$7,517
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA3202E	**Todate Hours/Dollars**	0	5,689	$389	$1	$100	$490	N/A	$490
PROJECT BASELINE MANAGEMENT	**To go Hours/Dollars**	0	89,110	$6,461	$0	$244	$6,705	$322	$7,027
CA Totals	**Total Hours/Dollars**	0	94,799	$6,850	$1	$344	$7,195	$322	$7,517
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA3203E PROJECT SERVICES									
****PM&S- PROJ SERVICES**	**Todate Hours/Dollars**	0	1,563	$114	$0	$10	$124	N/A	$124
	To go Hours/Dollars	0	21,789	$1,621	$0	$0	$1,621	$78	$1,699
POY 2001, SPSHT	**Total Hours/Dollars**	0	23,352	$1,735	$0	$10	$1,746	$78	$1,823
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number
Subproject
Operable Unit
CA

Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	

PBS: RL- RS01 **SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**
Subproject WBS: 3.2.1.4 **PROJECT MANAGEMENT & SUPPORT**
Operable Unit: ERC PM&S

CA: EA3203E	**Todate Hours/Dollars**	0	1,563	$114	$0	$10	$124	N/A	$124
PROJECT SERVICES	**To go Hours/Dollars**	0	21,789	$1,621	$0	$0	$1,621	$78	$1,699
CA Totals	**Total Hours/Dollars**	0	23,352	$1,735	$0	$10	$1,746	$78	$1,823
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA3204E PROJECT SUPPORT									
****PM&S- PROJ SUPPORT**	**Todate Hours/Dollars**	0	3,209	$187	($11)	$66	$243	N/A	$243
	To go Hours/Dollars	0	44,648	$3,264	$0	$45	$3,309	$159	$3,468
POY 2001, SPSHT	**Total Hours/Dollars**	0	47,857	$3,451	($11)	$111	$3,552	$159	$3,711
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA3204E	**Todate Hours/Dollars**	0	3,209	$187	($11)	$66	$243	N/A	$243
PROJECT SUPPORT	**To go Hours/Dollars**	0	44,648	$3,264	$0	$45	$3,309	$159	$3,468
CA Totals	**Total Hours/Dollars**	0	47,857	$3,451	($11)	$111	$3,552	$159	$3,711
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA3207E RESTRUCTURING									

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)		Vapor Processed (CM)

PBS: RL- RS01 **SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**

Subproject WBS: 3.2.1.4 **PROJECT MANAGEMENT & SUPPORT**

Operable Unit: ERC PM&S

****PM&S- RESTRUCTURING**	**Todate Hours/Dollars**	140	1,452	$291	($23)	$96	$364	N/A	$364
	To go Hours/Dollars	0	0	$1	$0	$0	$1	$0	$1
CARRYOVER 2000	**Total Hours/Dollars**	140	1,452	$292	($23)	$96	$366	$0	$366
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA3207E	**Todate Hours/Dollars**	140	1,452	$291	($23)	$96	$364	N/A	$364
RESTRUCTURING	**To go Hours/Dollars**	0	0	$1	$0	$0	$1	$0	$1
CA Totals	**Total Hours/Dollars**	140	1,452	$292	($23)	$96	$366	$0	$366
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

CA: EA3208E BHI PERFORMANCE MEASURES

****PERFORMANCE MEASURES**	**Todate Hours/Dollars**	0	0	$0	$7,206	$0	$7,206	N/A	$7,206
	To go Hours/Dollars	0	0	$0	$47,289	$0	$47,289	$0	$47,289
POY 2001, SPSHT	**Total Hours/Dollars**	0	0	$0	$54,495	$0	$54,495	$0	$54,495
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period / Hours and Dollars / Quantity	ERC Team Hours: Manual	ERC Team Hours: Non Manual	ERC Team Costs: Labor	ERC Team Costs: Matl/Equip/Unit	ERC Team Costs: Subcontracts	Subtotal Cost	Contingency	Total Cost
		Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**								
Subproject WBS: 3.2.1.4	**PROJECT MANAGEMENT & SUPPORT**								
Operable Unit: ERC PM&S									
CA: EA3208E	**Todate Hours/Dollars**	0	0	$0	$7,206	$0	$7,206	N/A	$7,206
BHI PERFORMANCE MEASURES	**To go Hours/Dollars**	0	0	$0	$47,289	$0	$47,289	$0	$47,289
CA Totals	**Total Hours/Dollars**	0	0	$0	$54,495	$0	$54,495	$0	$54,495
	Todate Quantity		0		0	0	0		0
	To go Quantity		0		0	0	0		0
	Total Quantity		0		0	0	0		0
CA: EA3209E **DOE REQUESTS**									
****PM&S- DOE REQUESTS**	**Todate Hours/Dollars**	0	188	$14	$12	$2	$27	N/A	$27
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
ACTUALS 2000	**Total Hours/Dollars**	0	188	$14	$12	$2	$27	$0	$27
	Todate Quantity		0		0	0	0		0
	To go Quantity		0		0	0	0		0
	Total Quantity		0		0	0	0		0
CA: EA3209E	**Todate Hours/Dollars**	0	188	$14	$12	$2	$27	N/A	$27
DOE REQUESTS	**To go Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
CA Totals	**Total Hours/Dollars**	0	188	$14	$12	$2	$27	$0	$27
	Todate Quantity		0		0	0	0		0
	To go Quantity		0		0	0	0		0
	Total Quantity		0		0	0	0		0
CA: EA320BE **RELOCATIONS**									

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars / Quantity	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
		Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**								
Subproject WBS: 3.2.1.4	**PROJECT MANAGEMENT & SUPPORT**								
Operable Unit: ERC PM&S									
****PM&S- RELOCATION**	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
PRIOR ACTUALS	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0		0		0		0
	To go Quantity		0		0		0		0
	Total Quantity		0		0		0		0
CA: EA320BE	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
RELOCATIONS	**To go Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
CA Totals	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0		0		0		0
	To go Quantity		0		0		0		0
	Total Quantity		0		0		0		0
CA: EA320AE	**DISTRIB RATE ADJUSTMENT**								
****PM&S- DISTRIB RATE ADJUSTMENT**	**Todate Hours/Dollars**	0	0	($350)	($31)	$12	($368)	N/A	($368)
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
ACTUALS 2000	**Total Hours/Dollars**	0	0	($350)	($31)	$12	($368)	$0	($368)
	Todate Quantity		0		0		0		0
	To go Quantity		0		0		0		0
	Total Quantity		0		0		0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number
Subproject
Operable Unit
CA

Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	

PBS: RL- RS01 **SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**
Subproject WBS: 3.2.1.4 **PROJECT MANAGEMENT & SUPPORT**
Operable Unit: ERC PM&S

CA: EA320AE	**Todate Hours/Dollars**	0	0	($350)	($31)	$12	($368)	N/A	($368)
DISTRIB RATE ADJUSTMENT	**To go Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Total Hours/Dollars	0	0	($350)	($31)	$12	($368)	$0	($368)
CA Totals	**Todate Quantity**		0		0		0	0	0
	To go Quantity		0		0		0	0	0
	Total Quantity		0		0		0	0	0
CA: EA3211E **DOE REQUESTS**									
****PM&S- RELOCATIONS**	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
ACTUALS 2000	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0		0		0	0	0
	To go Quantity		0		0		0	0	0
	Total Quantity		0		0		0	0	0
CA: EA3211E	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
DOE REQUESTS	**To go Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Total Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
CA Totals	**Todate Quantity**		0		0		0	0	0
	To go Quantity		0		0		0	0	0
	Total Quantity		0		0		0	0	0
CA: EA3212E **DWP ADJUSTMENT**									

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period / Hours and Dollars / Quantity	ERC Team Hours: Manual	ERC Team Hours: Non Manual	ERC Team Costs: Labor	ERC Team Costs: Matl/Equip/Unit	ERC Team Costs: Subcontracts	Subtotal Cost	Contingency	Total Cost
PBS: RL- RS01 SOUTH HANFORD INDUSTRIAL AREA CLEAN UP									
Subproject WBS: 3.2.1.4 PROJECT MANAGEMENT & SUPPORT									
Operable Unit: ERC PM&S									
****PM&S- ER PROJECT BASELINE MANAGEMENT**	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	0	0	$0	$13,500	$0	$13,500	$648	$14,148
NEW 2001, POY 2001, SPSHT	**Total Hours/Dollars**	0	0	$0	$13,500	$0	$13,500	$648	$14,148
	Todate Quantity		0		0	0		0	0
	To go Quantity		0		0	0		0	0
	Total Quantity		0		0	0		0	0
CA: EA3212E DWP ADJUSTMENT	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	0	0	$0	$13,500	$0	$13,500	$648	$14,148
CA Totals	**Total Hours/Dollars**	0	0	$0	$13,500	$0	$13,500	$648	$14,148
	Todate Quantity		0		0	0		0	0
	To go Quantity		0		0	0		0	0
	Total Quantity		0		0	0		0	0
CA: EA320RE RL-PM&S UNDER ERC PM&S									
****PM&S- RL-PM$S UNDER ADS 3400**	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
PRIOR ACTUALS	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0		0	0		0	0
	To go Quantity		0		0	0		0	0
	Total Quantity		0		0	0		0	0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**								
Subproject WBS: 3.2.1.4	**PROJECT MANAGEMENT & SUPPORT**								
Operable Unit: ERC PM&S									
CA: EA320RE	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
RL-PM&S UNDER ERC PM&S	**To go Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
CA Totals	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0		0		0	0	0
	To go Quantity		0		0		0	0	0
	Total Quantity		0		0		0	0	0
CA: EA3216E	**RIVER CORRIDOR INITIATIVE MANAGEMENT**								
****COLUMBIAL RIVER CORRIDOR INITIATIVE**	**Todate Hours/Dollars**	0	93	$8	$0	$1	$10	N/A	$10
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
ACTUALS 2000	**Total Hours/Dollars**	0	93	$8	$0	$1	$10	$0	$10
	Todate Quantity		0		0		0	0	0
	To go Quantity		0		0		0	0	0
	Total Quantity		0		0		0	0	0
CA: EA3216E	**Todate Hours/Dollars**	0	93	$8	$0	$1	$10	N/A	$10
RIVER CORRIDOR INITIATIVE MANAGEMENT	**To go Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
CA Totals	**Total Hours/Dollars**	0	93	$8	$0	$1	$10	$0	$10
	Todate Quantity		0		0		0	0	0
	To go Quantity		0		0		0	0	0
	Total Quantity		0		0		0	0	0
CA: EA4202E	**SAFETY & HEALTH**								

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period / Hours and Dollars / Quantity	ERC Team Hours: Manual	ERC Team Hours: Non Manual	ERC Team Costs: Labor	ERC Team Costs: Matl/Equip/Unit	ERC Team Costs: Subcontracts	Subtotal Cost	Contingency	Total Cost
PBS: RL- RS01 SOUTH HANFORD INDUSTRIAL AREA CLEAN UP									
Subproject WBS: 3.2.1.4 PROJECT MANAGEMENT & SUPPORT									
Operable Unit: ERC PM&S									
****PM&S- SAFETY & HEALTH**	**Todate Hours/Dollars**	277	13,080	$921	$44	$263	$1,228	N/A	$1,228
	To go Hours/Dollars	0	84,603	$6,156	$88	$0	$6,244	$300	$6,544
POY 2001, SPSHT	**Total Hours/Dollars**	277	97,683	$7,077	$132	$263	$7,473	$300	$7,772
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA4202E	**Todate Hours/Dollars**	277	13,080	$921	$44	$263	$1,228	N/A	$1,228
SAFETY & HEALTH	**To go Hours/Dollars**	0	84,603	$6,156	$88	$0	$6,244	$300	$6,544
CA Totals	**Total Hours/Dollars**	277	97,683	$7,077	$132	$263	$7,473	$300	$7,772
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA4203E COMPLIANCE & QUALITY PROGRAM									
****PM&S- COMPL & QUALITY PROG**	**Todate Hours/Dollars**	0	9,552	$708	$5	$0	$713	N/A	$713
	To go Hours/Dollars	0	108,063	$8,896	$69	$0	$8,965	$430	$9,396
POY 2001, SPSHT	**Total Hours/Dollars**	0	117,616	$9,604	$74	$0	$9,679	$430	$10,109
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	
PBS: RL- RS01	**SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**								
Subproject WBS: 3.2.1.4	**PROJECT MANAGEMENT & SUPPORT**								
Operable Unit: ERC PM&S									
CA: EA4203E	**Todate Hours/Dollars**	0	9,552	$708	$5	$0	$713	N/A	$713
COMPLIANCE & QUALITY PROGRAM	**To go Hours/Dollars**	0	108,063	$8,896	$69	$0	$8,965	$430	$9,396
CA Totals	**Total Hours/Dollars**	0	117,616	$9,604	$74	$0	$9,679	$430	$10,109
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA4204E	**RADIOLOGICAL CONTROL PROGRAM**								
****PM&S- RADIOOLOGICAL CONTROL PROGRAM**	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
POY 2001, SPSHT	**To go Hours/Dollars**	0	131,007	$9,516	$115	$1,035	$10,666	$512	$11,178
	Total Hours/Dollars	0	131,007	$9,516	$115	$1,035	$10,666	$512	$11,178
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA4204E	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
RADIOLOGICAL CONTROL PROGRAM	**To go Hours/Dollars**	0	131,007	$9,516	$115	$1,035	$10,666	$512	$11,178
CA Totals	**Total Hours/Dollars**	0	131,007	$9,516	$115	$1,035	$10,666	$512	$11,178
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EC4101E	**300 AREA REVITALIZATION**								

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number
Subproject
Operable Unit
CA

Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	

PBS: RL- RS01 **SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**
Subproject WBS: 3.2.1.4 **PROJECT MANAGEMENT & SUPPORT**
Operable Unit: ERC PM&S

****300 AREA REVITALIZATION EM 30**	**Todate Hours/Dollars**	0	0	$0	($1)	$0	($1)	N/A	($1)
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
PRIOR ACTUALS	**Total Hours/Dollars**	0	0	$0	($1)	$0	($1)	$0	($1)
	Todate Quantity		0		0		0		0
	To go Quantity		0		0		0		0
	Total Quantity		0		0		0		0
****300 AREA REVITALIZATION EM 40**	**Todate Hours/Dollars**	0	25	$2	$0	$0	$2	N/A	$2
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
PRIOR ACTUALS	**Total Hours/Dollars**	0	25	$2	$0	$0	$2	$0	$2
	Todate Quantity		0		0		0		0
	To go Quantity		0		0		0		0
	Total Quantity		0		0		0		0
****300 AREA REVITALIZATION EM 60**	**Todate Hours/Dollars**	0	0	$0	($1)	$0	($1)	N/A	($1)
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
PRIOR ACTUALS	**Total Hours/Dollars**	0	0	$0	($1)	$0	($1)	$0	($1)
	Todate Quantity		0		0		0		0
	To go Quantity		0		0		0		0
	Total Quantity		0		0		0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS01 **SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**									
Subproject WBS: 3.2.1.4 **PROJECT MANAGEMENT & SUPPORT**									
Operable Unit: ERC PM&S									
CA: EC4101E	**Todate Hours/Dollars**	0	25	$2	($2)	$0	$1	N/A	$1
300 AREA REVITALIZATION	**To go Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
CA Totals	**Total Hours/Dollars**	0	25	$2	($2)	$0	$1	$0	$1
	Todate Quantity		0		0		0		0
	To go Quantity		0		0		0		0
	Total Quantity		0		0		0		0
Operable Unit: ERC PM&S	**Todate Hours/Dollars**	34,419	233,227	$29,713	$9,436	$3,133	$42,283	N/A	$42,283
	To go Hours/Dollars	8,505	1,051,924	$76,061	$63,163	$6,438	$145,662	$4,722	$150,384
Operable Unit Totals	**Total Hours/Dollars**	42,924	1,285,151	$105,774	$72,599	$9,571	$187,945	$4,722	$192,667
	Todate Quantity		0		0		0		0
	To go Quantity		0		0		0		0
	Total Quantity		0		0		0		0
Subproject WBS: 3.2.1.4	**Todate Hours/Dollars**	34,419	233,227	$29,713	$9,436	$3,133	$42,283	N/A	$42,283
PROJECT MANAGEMENT & SUPPORT	**To go Hours/Dollars**	8,505	1,051,924	$76,061	$63,163	$6,438	$145,662	$4,722	$150,384
Subproject Totals	**Total Hours/Dollars**	42,924	1,285,151	$105,774	$72,599	$9,571	$187,945	$4,722	$192,667
	Todate Quantity		0		0		0		0
	To go Quantity		0		0		0		0
	Total Quantity		0		0		0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)

PBS: RL- RS01 **SOUTH HANFORD INDUSTRIAL AREA CLEAN UP**

Subproject WBS: 3.2.1.4 **PROJECT MANAGEMENT & SUPPORT**

Operable Unit: ERC PM&S

PBS: RL- RS01

PBS Totals

Todate Hours/Dollars	34,419	233,234	$29,714	$9,436	$3,133	$42,283	N/A	$42,283
To go Hours/Dollars	339,165	1,519,025	$129,708	$99,720	$372,362	$601,791	$113,010	$714,801
Total Hours/Dollars	373,584	1,752,259	$159,422	$109,156	$375,495	$644,074	$113,010	$757,084
Todate Quantity		0	0		0	0		0
To go Quantity		300,423	0		1,186,104	0		0
Total Quantity		300,423	0		1,186,104	0		0

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Cost and Quantity Summary

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)	Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS02	**FINAL REACTOR AREA DISPOSITION**								
Subproject WBS: 3.2.2.1	Todate Hours/Dollars	0	0	$0	$0	$0	$0	N/A	$0
B REACTOR	To go Hours/Dollars	99,491	289,637	$24,970	$32,612	$3,085	$60,667	$8,372	$69,039
Subproject Totals	Total Hours/Dollars	99,491	289,637	$24,970	$32,612	$3,085	$60,667	$8,372	$69,039
	Todate Quantity		0		0	0		0	0
	To go Quantity		0		0	0		0	0
	Total Quantity		0		0	0		0	0
Subproject WBS: 3.2.2.10	Todate Hours/Dollars	20,410	138,304	$17,620	$5,596	$1,858	$25,074	N/A	$25,074
PROJECT MANAGEMENT & SUPPORT	To go Hours/Dollars	5,044	623,791	$45,104	$37,456	$3,818	$86,378	$2,800	$89,178
Subproject Totals	Total Hours/Dollars	25,454	762,094	$62,724	$43,051	$5,676	$111,451	$2,800	$114,251
	Todate Quantity		0		0	0		0	0
	To go Quantity		0		0	0		0	0
	Total Quantity		0		0	0		0	0
Subproject WBS: 3.2.2.2	Todate Hours/Dollars	0	0	$0	$0	$0	$0	N/A	$0
C REACTOR	To go Hours/Dollars	77,705	217,492	$18,777	$25,412	$2,082	$46,271	$6,385	$52,656
Subproject Totals	Total Hours/Dollars	77,705	217,492	$18,777	$25,412	$2,082	$46,271	$6,385	$52,656
	Todate Quantity		0		0	0		0	0
	To go Quantity		0		0	0		0	0
	Total Quantity		0		0	0		0	0
Subproject WBS: 3.2.2.3	Todate Hours/Dollars	0	0	$0	$0	$0	$0	N/A	$0
D REACTOR	To go Hours/Dollars	65,199	193,737	$16,695	$21,330	$2,303	$40,327	$5,565	$45,893
Subproject Totals	Total Hours/Dollars	65,199	193,737	$16,695	$21,330	$2,303	$40,327	$5,565	$45,893
	Todate Quantity		0		0	0		0	0
	To go Quantity		0		0	0		0	0
	Total Quantity		0		0	0		0	0

Cost and Quantity Summary

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)	Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS02	**FINAL REACTOR AREA DISPOSITION**								
Subproject WBS: 3.2.2.4	Todate Hours/Dollars	0	0	$0	$0	$0	$0	N/A	$0
DR REACTOR	To go Hours/Dollars	66,062	184,905	$15,964	$21,604	$1,770	$39,338	$5,429	$44,767
Subproject Totals	Total Hours/Dollars	66,062	184,905	$15,964	$21,604	$1,770	$39,338	$5,429	$44,767
	Todate Quantity		0		0	0		0	0
	To go Quantity		0		0	0		0	0
	Total Quantity		0		0	0		0	0
Subproject WBS: 3.2.2.5	Todate Hours/Dollars	0	0	$0	$0	$0	$0	N/A	$0
K-EAST REACTOR	To go Hours/Dollars	115,389	330,467	$28,263	$37,627	$3,748	$69,638	$9,610	$79,248
Subproject Totals	Total Hours/Dollars	115,389	330,467	$28,263	$37,627	$3,748	$69,638	$9,610	$79,248
	Todate Quantity		0		0	0		0	0
	To go Quantity		0		0	11,400		0	0
	Total Quantity		0		0	11,400		0	0
Subproject WBS: 3.2.2.6	Todate Hours/Dollars	0	0	$0	$0	$0	$0	N/A	$0
K-WEST REACTOR	To go Hours/Dollars	102,608	287,193	$24,557	$33,555	$2,749	$60,862	$8,399	$69,261
Subproject Totals	Total Hours/Dollars	102,608	287,193	$24,557	$33,555	$2,749	$60,862	$8,399	$69,261
	Todate Quantity		0		0	0		0	0
	To go Quantity		0		0	0		0	0
	Total Quantity		0		0	0		0	0
Subproject WBS: 3.2.2.7	Todate Hours/Dollars	0	0	$0	$0	$0	$0	N/A	$0
N REACTOR	To go Hours/Dollars	102,658	292,995	$25,042	$33,561	$3,138	$61,741	$8,520	$70,261
Subproject Totals	Total Hours/Dollars	102,658	292,995	$25,042	$33,561	$3,138	$61,741	$8,520	$70,261
	Todate Quantity		0		0	0		0	0
	To go Quantity		0		0	0		0	0
	Total Quantity		0		0	0		0	0

Cost and Quantity Summary

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	
PBS: RL- RS02	**FINAL REACTOR AREA DISPOSITION**								
Subproject WBS: 3.2.2.8	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
H REACTOR	**To go Hours/Dollars**	74,093	213,052	$18,205	$24,264	$2,254	$44,723	$6,172	$50,894
Subproject Totals	**Total Hours/Dollars**	74,093	213,052	$18,205	$24,264	$2,254	$44,723	$6,172	$50,894
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
Subproject WBS: 3.2.2.9	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
F REACTOR	**To go Hours/Dollars**	62,603	180,932	$15,452	$20,543	$1,785	$37,780	$5,214	$42,993
Subproject Totals	**Total Hours/Dollars**	62,603	180,932	$15,452	$20,543	$1,785	$37,780	$5,214	$42,993
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
PBS: RL- RS02	**Todate Hours/Dollars**	20,410	138,304	$17,620	$5,596	$1,858	$25,074	N/A	$25,074
PBS Totals	**To go Hours/Dollars**	770,852	2,814,201	$233,029	$287,963	$26,731	$547,723	$66,466	$614,189
	Total Hours/Dollars	791,262	2,952,504	$250,649	$293,559	$28,589	$572,797	$66,466	$639,263
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		11,400	0		0
	Total Quantity		0	0		11,400	0		0

Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)
PBS: RL- RS02	**FINAL REACTOR AREA DISPOSITION**								
Subproject WBS: 3.2.2.1	**B REACTOR**								
Operable Unit: 100 AREA COMMON									
CA: UB1112A	**EFFLUENT P.L. ERA/RIVERLINES**								
100-B (A) Riverlines	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	158	6,122	$509	$98	$213	$819	$113	$932
RRLN01 INCL 100 AREA RIVERLINES 100-B (B)	**Total Hours/Dollars**	158	6,122	$509	$98	$213	$819	$113	$932
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
100-B (B) Riverlines	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
W/100 AREA RIVERLINES 100-B (A)	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
100-C (A) Riverlines	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	158	6,122	$509	$98	$213	$819	$113	$932
RRLN01 INCL 100 AREA RIVERLINES 100-C (B)	**Total Hours/Dollars**	158	6,122	$509	$98	$213	$819	$113	$932
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)
PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION									
Subproject WBS: 3.2.2.1 B REACTOR									
Operable Unit: 100 AREA COMMON									
100-C (B) Riverlines	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
W/100 AREA RIVERLINES 100-C (A)	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0		0		0	0	0
	To go Quantity		0		0		0	0	0
	Total Quantity		0		0		0	0	0
CA: UB1112A	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
EFFLUENT P.L. ERA/RIVERLINES	**To go Hours/Dollars**	316	12,244	$1,017	$195	$426	$1,638	$226	$1,864
CA Totals	**Total Hours/Dollars**	316	12,244	$1,017	$195	$426	$1,638	$226	$1,864
	Todate Quantity		0		0		0	0	0
	To go Quantity		0		0		0	0	0
	Total Quantity		0		0		0	0	0
Operable Unit: 100 AREA COMMON	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	316	12,244	$1,017	$195	$426	$1,638	$226	$1,864
Operable Unit Totals	**Total Hours/Dollars**	316	12,244	$1,017	$195	$426	$1,638	$226	$1,864
	Todate Quantity		0		0		0	0	0
	To go Quantity		0		0		0	0	0
	Total Quantity		0		0		0	0	0

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Cost and Quantity Detail

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PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)
PBS: RL- RS02	**FINAL REACTOR AREA DISPOSITION**								
Subproject WBS: 3.2.2.1	**B REACTOR**								
Operable Unit: 100 B/C AREA									
CA: UB2224B	**105-B REACTOR MUSEUM**								
****105-B REACTOR (ISS)**	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
ORIGINAL LINE ITEM WITH ACTUALS & BUDGET FOR 105-B REACTOR (ISS) SEE 105-B MUSEUM	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0		0		0		0
	To go Quantity		0		0		0		0
	Total Quantity		0		0		0		0
105B Reactor	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	99,175	277,393	$23,953	$32,417	$2,659	$59,028	$8,146	$67,174
LRP	**Total Hours/Dollars**	99,175	277,393	$23,953	$32,417	$2,659	$59,028	$8,146	$67,174
	Todate Quantity		0		0		0		0
	To go Quantity		0		0		0		0
	Total Quantity		0		0		0		0
CA: UB2224B	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
105-B REACTOR MUSEUM	**To go Hours/Dollars**	99,175	277,393	$23,953	$32,417	$2,659	$59,028	$8,146	$67,174
CA Totals	**Total Hours/Dollars**	99,175	277,393	$23,953	$32,417	$2,659	$59,028	$8,146	$67,174
	Todate Quantity		0		0		0		0
	To go Quantity		0		0		0		0
	Total Quantity		0		0		0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	
PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION									
Subproject WBS: 3.2.2.1 B REACTOR									
Operable Unit: 100 B/C AREA									
Operable Unit: 100 B/C AREA	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	99,175	277,393	$23,953	$32,417	$2,659	$59,028	$8,146	$67,174
Operable Unit Totals	**Total Hours/Dollars**	99,175	277,393	$23,953	$32,417	$2,659	$59,028	$8,146	$67,174
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
Subproject WBS: 3.2.2.1 B REACTOR	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	99,491	289,637	$24,970	$32,612	$3,085	$60,667	$8,372	$69,039
Subproject Totals	**Total Hours/Dollars**	99,491	289,637	$24,970	$32,612	$3,085	$60,667	$8,372	$69,039
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)

PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION
Subproject WBS: 3.2.2.10 PROJECT MANAGEMENT & SUPPORT
Operable Unit: ERC PM&S

CA: EA1110F ASSESSMENT

****PM&S- PROJ TECH SUPT ASSESSMENT**	**Todate Hours/Dollars**	19,634	91,894	$14,688	$1,084	$1,026	$16,797	N/A	$16,797
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
PRIOR ACTUALS	**Total Hours/Dollars**	19,634	91,894	$14,688	$1,084	$1,026	$16,797	$0	$16,797
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA1110F ASSESSMENT	**Todate Hours/Dollars**	19,634	91,894	$14,688	$1,084	$1,026	$16,797	N/A	$16,797
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
CA Totals	**Total Hours/Dollars**	19,634	91,894	$14,688	$1,084	$1,026	$16,797	$0	$16,797
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

CA: EA1116F RIVER CORRIDOR INITIATIVE MANAGEMENT

****COLUMBIAL RIVER CORRIDOR**	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
ACTUALS 2000	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period / Hours and Dollars / Quantity	ERC Team Hours: Manual	ERC Team Hours: Non Manual	ERC Team Costs: Labor	ERC Team Costs: Matl/Equip/Unit	ERC Team Costs: Subcontracts	Subtotal Cost	Contingency	Total Cost
		Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)	Water Processed (L)	Vapor Processed (CM)	
PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION									
Subproject WBS: 3.2.2.10 PROJECT MANAGEMENT & SUPPORT									
Operable Unit: ERC PM&S									
CA: EA1116F	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
RIVER CORRIDOR INITIATIVE MANAGEMENT	**To go Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
CA Totals	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0		0		0	0	0
	To go Quantity		0		0		0	0	0
	Total Quantity		0		0		0	0	0
CA: EA1201F TECHNICAL APPLICATIONS									
****PM&S-TECH APPLICATIONS**	**Todate Hours/Dollars**	5	1,018	$92	$5	$88	$185	N/A	$185
	To go Hours/Dollars	0	11,442	$1,003	$39	$752	$1,794	$86	$1,880
POY 2001, SPSHT	**Total Hours/Dollars**	5	12,460	$1,095	$44	$840	$1,979	$86	$2,065
	Todate Quantity		0		0		0	0	0
	To go Quantity		0		0		0	0	0
	Total Quantity		0		0		0	0	0
CA: EA1201F	**Todate Hours/Dollars**	5	1,018	$92	$5	$88	$185	N/A	$185
TECHNICAL APPLICATIONS	**To go Hours/Dollars**	0	11,442	$1,003	$39	$752	$1,794	$86	$1,880
CA Totals	**Total Hours/Dollars**	5	12,460	$1,095	$44	$840	$1,979	$86	$2,065
	Todate Quantity		0		0		0	0	0
	To go Quantity		0		0		0	0	0
	Total Quantity		0		0		0	0	0
CA: EA1202F ENVIRONMENTAL SCIENCES									

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	

PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION

Subproject WBS: 3.2.2.10 PROJECT MANAGEMENT & SUPPORT

Operable Unit: ERC PM&S

****PM&S-ENVIR SCIENCES**	**Todate Hours/Dollars**	2	2,907	$211	$5	$75	$292	N/A	$292
	To go Hours/Dollars	0	35,940	$2,958	$27	$819	$3,804	$183	$3,987
POY 2001, SPSHT	**Total Hours/Dollars**	2	38,846	$3,169	$33	$895	$4,096	$183	$4,279
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA1202F	**Todate Hours/Dollars**	2	2,907	$211	$5	$75	$292	N/A	$292
ENVIRONMENTAL SCIENCES	**To go Hours/Dollars**	0	35,940	$2,958	$27	$819	$3,804	$183	$3,987
CA Totals	**Total Hours/Dollars**	2	38,846	$3,169	$33	$895	$4,096	$183	$4,279
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

CA: EA1203F SAMPLE & DATA MANAGEMENT

****PM&S- SAMPLE&DATA MNGMNT**	**Todate Hours/Dollars**	52	5,761	$380	$136	$132	$648	N/A	$648
	To go Hours/Dollars	0	98,711	$6,944	$320	$527	$7,790	$374	$8,164
POY 2001, SPSHT	**Total Hours/Dollars**	52	104,472	$7,324	$456	$658	$8,438	$374	$8,812
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	

PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION

Subproject WBS: 3.2.2.10 PROJECT MANAGEMENT & SUPPORT

Operable Unit: ERC PM&S

CA: EA1203F	**Todate Hours/Dollars**	52	5,761	$380	$136	$132	$648	N/A	$648
SAMPLE & DATA MANAGEMENT	**To go Hours/Dollars**	0	98,711	$6,944	$320	$527	$7,790	$374	$8,164
CA Totals	**Total Hours/Dollars**	52	104,472	$7,324	$456	$658	$8,438	$374	$8,812
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA1204F REGULATORY SUPPORT									
****PM&S- REG SUPPORT**	**Todate Hours/Dollars**	0	2,279	$164	$4	$31	$199	N/A	$199
	To go Hours/Dollars	0	29,707	$2,528	$35	$155	$2,719	$130	$2,849
POY 2001, SPSHT	**Total Hours/Dollars**	0	31,986	$2,691	$39	$186	$2,917	$130	$3,048
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA1204F	**Todate Hours/Dollars**	0	2,279	$164	$4	$31	$199	N/A	$199
REGULATORY SUPPORT	**To go Hours/Dollars**	0	29,707	$2,528	$35	$155	$2,719	$130	$2,849
CA Totals	**Total Hours/Dollars**	0	31,986	$2,691	$39	$186	$2,917	$130	$3,048
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA1205F DESIGN ENGINEERING									

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	

PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION

Subproject WBS: 3.2.2.10 PROJECT MANAGEMENT & SUPPORT

Operable Unit: ERC PM&S

****PM&S- DESIGN ENGRG**	**Todate Hours/Dollars**	0	1,835	$149	$4	$91	$244	N/A	$244
	To go Hours/Dollars	0	30,181	$2,592	$44	$276	$2,911	$140	$3,051
POY 2001, SPSHT	**Total Hours/Dollars**	0	32,016	$2,740	$48	$367	$3,155	$140	$3,294
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA1205F	**Todate Hours/Dollars**	0	1,835	$149	$4	$91	$244	N/A	$244
DESIGN ENGINEERING	**To go Hours/Dollars**	0	30,181	$2,592	$44	$276	$2,911	$140	$3,051
CA Totals	**Total Hours/Dollars**	0	32,016	$2,740	$48	$367	$3,155	$140	$3,294
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

CA: EA1206F FIELD SUPPORT

****PM&S- FLD SUPPORT**	**Todate Hours/Dollars**	0	29	$2	$68	$3	$73	N/A	$73
	To go Hours/Dollars	0	185	$14	$532	$0	$546	$26	$572
POY 2001, SPSHT	**Total Hours/Dollars**	0	214	$15	$600	$3	$619	$26	$645
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period / Hours and Dollars / Quantity	ERC Team Hours: Manual	ERC Team Hours: Non Manual	ERC Team Costs: Labor	ERC Team Costs: Matl/Equip/Unit	ERC Team Costs: Subcontracts	Subtotal Cost	Contingency	Total Cost
		Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	
PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION									
Subproject WBS: 3.2.2.10 PROJECT MANAGEMENT & SUPPORT									
Operable Unit: ERC PM&S									
CA: EA1206F	**Todate Hours/Dollars**	0	29	$2	$68	$3	$73	N/A	$73
FIELD SUPPORT	**To go Hours/Dollars**	0	185	$14	$532	$0	$546	$26	$572
CA Totals	**Total Hours/Dollars**	0	214	$15	$600	$3	$619	$26	$645
	Todate Quantity		0		0	0	0		0
	To go Quantity		0		0	0	0		0
	Total Quantity		0		0	0	0		0
CA: EA1207F ERC YEAR 2000 COMPLIANCE									
****PM&S- ERC YEAR 2000 COMPLIANCE**	**Todate Hours/Dollars**	2	173	$9	($3)	$0	$6	N/A	$6
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
ACTUALS 2000	**Total Hours/Dollars**	2	173	$9	($3)	$0	$6	$0	$6
	Todate Quantity		0		0	0	0		0
	To go Quantity		0		0	0	0		0
	Total Quantity		0		0	0	0		0
CA: EA1207F	**Todate Hours/Dollars**	2	173	$9	($3)	$0	$6	N/A	$6
ERC YEAR 2000 COMPLIANCE	**To go Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
CA Totals	**Total Hours/Dollars**	2	173	$9	($3)	$0	$6	$0	$6
	Todate Quantity		0		0	0	0		0
	To go Quantity		0		0	0	0		0
	Total Quantity		0		0	0	0		0
CA: EA1208F WASTE MANAGEMENT AND TRANSPORTATION									

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)
PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION									
Subproject WBS: 3.2.2.10 PROJECT MANAGEMENT & SUPPORT									
Operable Unit: ERC PM&S									
****PM&S- WASTE MANAGEMENT AND TRANSPORTATION**	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	0	6,199	$435	$0	$0	$435	$21	$456
POY 2001, SPSHT	**Total Hours/Dollars**	0	6,199	$435	$0	$0	$435	$21	$456
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA1208F	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
WASTE MANAGEMENT AND TRANSPORTATION	**To go Hours/Dollars**	0	6,199	$435	$0	$0	$435	$21	$456
CA Totals	**Total Hours/Dollars**	0	6,199	$435	$0	$0	$435	$21	$456
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA2110F ASSESSMENT									
****PM&S- PROJ & PROG SUPT ASSESSMENT**	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
PRIOR ACTUALS	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period / Hours and Dollars / Quantity	ERC Team Hours: Manual	ERC Team Hours: Non Manual	ERC Team Costs: Labor	ERC Team Costs: Matl/Equip/Unit	ERC Team Costs: Subcontracts	Subtotal Cost	Contingency	Total Cost
			Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)
PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION									
Subproject WBS: 3.2.2.10 PROJECT MANAGEMENT & SUPPORT									
Operable Unit: ERC PM&S									
CA: EA2110F	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
ASSESSMENT	**To go Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
CA Totals	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0		0	0		0	0
	To go Quantity		0		0	0		0	0
	Total Quantity		0		0	0		0	0
CA: EA2203F EXTERNAL AFFAIRS									
****PM&S- EXTERNAL AFFAIRS**	**Todate Hours/Dollars**	15	1,794	$127	$6	$13	$146	N/A	$146
	To go Hours/Dollars	191	24,054	$2,002	$16	$160	$2,178	$105	$2,282
POY 2001, SPSHT	**Total Hours/Dollars**	206	25,847	$2,128	$23	$173	$2,324	$105	$2,428
	Todate Quantity		0		0	0		0	0
	To go Quantity		0		0	0		0	0
	Total Quantity		0		0	0		0	0
CA: EA2203F	**Todate Hours/Dollars**	15	1,794	$127	$6	$13	$146	N/A	$146
EXTERNAL AFFAIRS	**To go Hours/Dollars**	191	24,054	$2,002	$16	$160	$2,178	$105	$2,282
CA Totals	**Total Hours/Dollars**	206	25,847	$2,128	$23	$173	$2,324	$105	$2,428
	Todate Quantity		0		0	0		0	0
	To go Quantity		0		0	0		0	0
	Total Quantity		0		0	0		0	0
CA: EA2205F PROJECT PROCUREMENT									

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period / Hours and Dollars / Quantity	ERC Team Hours: Manual	ERC Team Hours: Non Manual	ERC Team Costs: Labor	ERC Team Costs: Matl/Equip/Unit	ERC Team Costs: Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment		Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)	Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION									
Subproject WBS: 3.2.2.10 PROJECT MANAGEMENT & SUPPORT									
Operable Unit: ERC PM&S									
****PM&S- PROJ PROCUREMENT**	**Todate Hours/Dollars**	4	2,004	$114	$3	$2	$119	N/A	$119
	To go Hours/Dollars	0	19,689	$1,403	$67	$11	$1,481	$71	$1,552
POY 2001, SPSHT	**Total Hours/Dollars**	4	21,693	$1,517	$70	$14	$1,600	$71	$1,672
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA2205F	**Todate Hours/Dollars**	4	2,004	$114	$3	$2	$119	N/A	$119
PROJECT PROCUREMENT	**To go Hours/Dollars**	0	19,689	$1,403	$67	$11	$1,481	$71	$1,552
CA Totals	**Total Hours/Dollars**	4	21,693	$1,517	$70	$14	$1,600	$71	$1,672
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA2206F RECORDS & DOCUMENT CONTROL									
****PM&S- RECORDS & DOC CNTRL**	**Todate Hours/Dollars**	450	7,944	$331	$12	$69	$412	N/A	$412
	To go Hours/Dollars	4,853	83,505	$3,929	$166	$332	$4,428	$213	$4,641
POY 2001, SPSHT	**Total Hours/Dollars**	5,303	91,449	$4,260	$178	$402	$4,840	$213	$5,053
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period / Hours and Dollars / Quantity	ERC Team Hours: Manual	ERC Team Hours: Non Manual	ERC Team Costs: Labor	ERC Team Costs: Matl/Equip/Unit	ERC Team Costs: Subcontracts	Subtotal Cost	Contingency	Total Cost
PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION									
Subproject WBS: 3.2.2.10 PROJECT MANAGEMENT & SUPPORT									
Operable Unit: ERC PM&S									
CA: EA2206F	**Todate Hours/Dollars**	450	7,944	$331	$12	$69	$412	N/A	$412
RECORDS & DOCUMENT CONTROL	**To go Hours/Dollars**	4,853	83,505	$3,929	$166	$332	$4,428	$213	$4,641
CA Totals	**Total Hours/Dollars**	5,303	91,449	$4,260	$178	$402	$4,840	$213	$5,053
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA2208F 100N WATER PLANT / SEWAGE MODIFICATION									
****100-N WATER PLANT/SEWAGE MODIFICATION**	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
ACTUALS 2000	**To go Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Total Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA2208F	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
100N WATER PLANT / SEWAGE MODIFICATION	**To go Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
CA Totals	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA3202F PROJECT BASELINE MANAGEMENT									

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	
PBS: RL- RS02	**FINAL REACTOR AREA DISPOSITION**								
Subproject WBS: 3.2.2.10	**PROJECT MANAGEMENT & SUPPORT**								
Operable Unit: ERC PM&S									
****PM&S-BASELINE MNGMNT**	**Todate Hours/Dollars**	0	3,374	$231	$1	$59	$290	N/A	$290
	To go Hours/Dollars	0	52,842	$3,831	$0	$145	$3,976	$191	$4,167
POY 2001, SPSHT	**Total Hours/Dollars**	0	56,216	$4,062	$1	$204	$4,267	$191	$4,457
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA3202F	**Todate Hours/Dollars**	0	3,374	$231	$1	$59	$290	N/A	$290
PROJECT BASELINE MANAGEMENT	**To go Hours/Dollars**	0	52,842	$3,831	$0	$145	$3,976	$191	$4,167
CA Totals	**Total Hours/Dollars**	0	56,216	$4,062	$1	$204	$4,267	$191	$4,457
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA3203F PROJECT SERVICES									
****PM&S- PROJ SERVICES**	**Todate Hours/Dollars**	0	927	$68	$0	$6	$74	N/A	$74
	To go Hours/Dollars	0	12,921	$961	$0	$0	$961	$46	$1,008
POY 2001, SPSHT	**Total Hours/Dollars**	0	13,848	$1,029	$0	$6	$1,035	$46	$1,081
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period / Hours and Dollars / Quantity	ERC Team Hours: Manual	ERC Team Hours: Non Manual	ERC Team Costs: Labor	ERC Team Costs: Matl/Equip/Unit	ERC Team Costs: Subcontracts	Subtotal Cost	Contingency	Total Cost
		Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)	Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION									
Subproject WBS: 3.2.2.10 PROJECT MANAGEMENT & SUPPORT									
Operable Unit: ERC PM&S									
CA: EA3203F	**Todate Hours/Dollars**	0	927	$68	$0	$6	$74	N/A	$74
PROJECT SERVICES	**To go Hours/Dollars**	0	12,921	$961	$0	$0	$961	$46	$1,008
CA Totals	**Total Hours/Dollars**	0	13,848	$1,029	$0	$6	$1,035	$46	$1,081
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA3204F PROJECT SUPPORT									
****PM&S- PROJ SUPPORT**	**Todate Hours/Dollars**	0	1,903	$111	($6)	$39	$144	N/A	$144
	To go Hours/Dollars	0	26,476	$1,935	$0	$27	$1,962	$94	$2,056
POY 2001, SPSHT	**Total Hours/Dollars**	0	28,379	$2,047	($6)	$66	$2,106	$94	$2,200
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA3204F	**Todate Hours/Dollars**	0	1,903	$111	($6)	$39	$144	N/A	$144
PROJECT SUPPORT	**To go Hours/Dollars**	0	26,476	$1,935	$0	$27	$1,962	$94	$2,056
CA Totals	**Total Hours/Dollars**	0	28,379	$2,047	($6)	$66	$2,106	$94	$2,200
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA3207F RESTRUCTURING									

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	

PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION

Subproject WBS: 3.2.2.10 PROJECT MANAGEMENT & SUPPORT

Operable Unit: ERC PM&S

****PM&S- RESTRUCTURING**	**Todate Hours/Dollars**	83	861	$172	($13)	$57	$216	N/A	$216
	To go Hours/Dollars	0	0	$1	$0	$0	$1	$0	$1
CARRYOVER 2000	**Total Hours/Dollars**	83	861	$173	($13)	$57	$217	$0	$217
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA3207F	**Todate Hours/Dollars**	83	861	$172	($13)	$57	$216	N/A	$216
RESTRUCTURING	**To go Hours/Dollars**	0	0	$1	$0	$0	$1	$0	$1
CA Totals	**Total Hours/Dollars**	83	861	$173	($13)	$57	$217	$0	$217
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

CA: EA3208F BHI PERFORMANCE MEASURES

****PERFORMANCE MEASURES**	**Todate Hours/Dollars**	0	0	$0	$4,273	$0	$4,273	N/A	$4,273
	To go Hours/Dollars	0	0	$0	$28,042	$0	$28,042	$0	$28,042
POY 2001, SPSHT	**Total Hours/Dollars**	0	0	$0	$32,315	$0	$32,315	$0	$32,315
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period / Hours and Dollars / Quantity	ERC Team Hours: Manual	ERC Team Hours: Non Manual	ERC Team Costs: Labor	ERC Team Costs: Matl/Equip/Unit	ERC Team Costs: Subcontracts	Subtotal Cost	Contingency	Total Cost
		Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION									
Subproject WBS: 3.2.2.10 PROJECT MANAGEMENT & SUPPORT									
Operable Unit: ERC PM&S									
CA: EA3208F	**Todate Hours/Dollars**	0	0	$0	$4,273	$0	$4,273	N/A	$4,273
BHI PERFORMANCE MEASURES	**To go Hours/Dollars**	0	0	$0	$28,042	$0	$28,042	$0	$28,042
CA Totals	**Total Hours/Dollars**	0	0	$0	$32,315	$0	$32,315	$0	$32,315
	Todate Quantity		0		0	0	0		0
	To go Quantity		0		0	0	0		0
	Total Quantity		0		0	0	0		0
CA: EA3209F DOE REQUESTS									
****PM&S- DOE REQUESTS**	**Todate Hours/Dollars**	0	112	$8	$7	$1	$16	N/A	$16
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
ACTUALS 2000	**Total Hours/Dollars**	0	112	$8	$7	$1	$16	$0	$16
	Todate Quantity		0		0	0	0		0
	To go Quantity		0		0	0	0		0
	Total Quantity		0		0	0	0		0
CA: EA3209F	**Todate Hours/Dollars**	0	112	$8	$7	$1	$16	N/A	$16
DOE REQUESTS	**To go Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
CA Totals	**Total Hours/Dollars**	0	112	$8	$7	$1	$16	$0	$16
	Todate Quantity		0		0	0	0		0
	To go Quantity		0		0	0	0		0
	Total Quantity		0		0	0	0		0
CA: EA320BF RELOCATIONS									

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)
PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION									
Subproject WBS: 3.2.2.10 PROJECT MANAGEMENT & SUPPORT									
Operable Unit: ERC PM&S									
****PM&S- RELOCATION**	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
PRIOR ACTUALS	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0		0		0	0	0
	To go Quantity		0		0		0	0	0
	Total Quantity		0		0		0	0	0
CA: EA320BF RELOCATIONS	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
CA Totals	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0		0		0	0	0
	To go Quantity		0		0		0	0	0
	Total Quantity		0		0		0	0	0
CA: EA320AF DISTRIB RATE ADJUSTMENT									
****PM&S- DISTRIB RATE ADJUSTMENT**	**Todate Hours/Dollars**	0	0	($207)	($18)	$7	($218)	N/A	($218)
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
ACTUALS 2000	**Total Hours/Dollars**	0	0	($207)	($18)	$7	($218)	$0	($218)
	Todate Quantity		0		0		0	0	0
	To go Quantity		0		0		0	0	0
	Total Quantity		0		0		0	0	0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period / Hours and Dollars / Quantity	ERC Team Hours: Manual	ERC Team Hours: Non Manual	ERC Team Costs: Labor	ERC Team Costs: Matl/Equip/Unit	ERC Team Costs: Subcontracts	Subtotal Cost	Contingency	Total Cost
		Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)	Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION									
Subproject WBS: 3.2.2.10 PROJECT MANAGEMENT & SUPPORT									
Operable Unit: ERC PM&S									
CA: EA320AF	**Todate Hours/Dollars**	0	0	($207)	($18)	$7	($218)	N/A	($218)
DISTRIB RATE ADJUSTMENT	**To go Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
CA Totals	**Total Hours/Dollars**	0	0	($207)	($18)	$7	($218)	$0	($218)
	Todate Quantity	0		0		0	0		0
	To go Quantity	0		0		0	0		0
	Total Quantity	0		0		0	0		0
CA: EA3211F DOE REQUESTS									
****PM&S- RELOCATIONS**	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
ACTUALS 2000	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity	0		0		0	0		0
	To go Quantity	0		0		0	0		0
	Total Quantity	0		0		0	0		0
CA: EA3211F	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
DOE REQUESTS	**To go Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
CA Totals	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity	0		0		0	0		0
	To go Quantity	0		0		0	0		0
	Total Quantity	0		0		0	0		0
CA: EA3212F DWP ADJUSTMENT									

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	

PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION

Subproject WBS: 3.2.2.10 PROJECT MANAGEMENT & SUPPORT

Operable Unit: ERC PM&S

****PM&S- ER PROJECT BASELINE MANAGEMENT**	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	0	0	$0	$8,006	$0	$8,006	$384	$8,390
NEW 2001, POY 2001, SPSHT	**Total Hours/Dollars**	0	0	$0	$8,006	$0	$8,006	$384	$8,390
	Todate Quantity		0		0		0	0	0
	To go Quantity		0		0		0	0	0
	Total Quantity		0		0		0	0	0
CA: EA3212F	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
DWP ADJUSTMENT	**To go Hours/Dollars**	0	0	$0	$8,006	$0	$8,006	$384	$8,390
CA Totals	**Total Hours/Dollars**	0	0	$0	$8,006	$0	$8,006	$384	$8,390
	Todate Quantity		0		0		0	0	0
	To go Quantity		0		0		0	0	0
	Total Quantity		0		0		0	0	0

CA: EA320RF RL-PM&S UNDER ERC PM&S

****PM&S- RL-PM$S UNDER ADS 3400**	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
PRIOR ACTUALS	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0		0		0	0	0
	To go Quantity		0		0		0	0	0
	Total Quantity		0		0		0	0	0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period / Hours and Dollars / Quantity	ERC Team Hours: Manual	ERC Team Hours: Non Manual	ERC Team Costs: Labor	ERC Team Costs: Matl/Equip/Unit	ERC Team Costs: Subcontracts	Subtotal Cost	Contingency	Total Cost
		Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)	Water Processed (L)	Vapor Processed (CM)	
PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION									
Subproject WBS: 3.2.2.10 PROJECT MANAGEMENT & SUPPORT									
Operable Unit: ERC PM&S									
CA: EA320RF	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
RL-PM&S UNDER ERC PM&S	**To go Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
CA Totals	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity	0		0		0	0		0
	To go Quantity	0		0		0	0		0
	Total Quantity	0		0		0	0		0
CA: EA3216F RIVER CORRIDOR INITIATIVE MANAGEMENT									
****COLUMBIAL RIVER CORRIDOR INITIATIVE**	**Todate Hours/Dollars**	0	55	$5	$0	$1	$6	N/A	$6
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
ACTUALS 2000	**Total Hours/Dollars**	0	55	$5	$0	$1	$6	$0	$6
	Todate Quantity	0		0		0	0		0
	To go Quantity	0		0		0	0		0
	Total Quantity	0		0		0	0		0
CA: EA3216F	**Todate Hours/Dollars**	0	55	$5	$0	$1	$6	N/A	$6
RIVER CORRIDOR INITIATIVE MANAGEMENT	**To go Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
CA Totals	**Total Hours/Dollars**	0	55	$5	$0	$1	$6	$0	$6
	Todate Quantity	0		0		0	0		0
	To go Quantity	0		0		0	0		0
	Total Quantity	0		0		0	0		0
CA: EA4202F SAFETY & HEALTH									

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Cost and Quantity Detail

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PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	
PBS: RL- RS02	**FINAL REACTOR AREA DISPOSITION**								
Subproject WBS: 3.2.2.10	**PROJECT MANAGEMENT & SUPPORT**								
Operable Unit: ERC PM&S									
****PM&S- SAFETY & HEALTH**	**Todate Hours/Dollars**	164	7,756	$546	$26	$156	$728	N/A	$728
	To go Hours/Dollars	0	50,170	$3,651	$52	$0	$3,703	$178	$3,881
POY 2001, SPSHT	**Total Hours/Dollars**	164	57,926	$4,197	$78	$156	$4,431	$178	$4,609
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA4202F	**Todate Hours/Dollars**	164	7,756	$546	$26	$156	$728	N/A	$728
SAFETY & HEALTH	**To go Hours/Dollars**	0	50,170	$3,651	$52	$0	$3,703	$178	$3,881
CA Totals	**Total Hours/Dollars**	164	57,926	$4,197	$78	$156	$4,431	$178	$4,609
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA4203F	**COMPLIANCE & QUALITY PROGRAM**								
****PM&S- COMPL & QUALITY PROG**	**Todate Hours/Dollars**	0	5,665	$420	$3	$0	$423	N/A	$423
	To go Hours/Dollars	0	64,081	$5,276	$41	$0	$5,317	$255	$5,572
POY 2001, SPSHT	**Total Hours/Dollars**	0	69,746	$5,695	$44	$0	$5,739	$255	$5,995
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period / Hours and Dollars / Quantity	ERC Team Hours: Manual	ERC Team Hours: Non Manual	ERC Team Costs: Labor	ERC Team Costs: Matl/Equip/Unit	ERC Team Costs: Subcontracts	Subtotal Cost	Contingency	Total Cost
PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION									
Subproject WBS: 3.2.2.10 PROJECT MANAGEMENT & SUPPORT									
Operable Unit: ERC PM&S									
CA: EA4203F	**Todate Hours/Dollars**	0	5,665	$420	$3	$0	$423	N/A	$423
COMPLIANCE & QUALITY PROGRAM	**To go Hours/Dollars**	0	64,081	$5,276	$41	$0	$5,317	$255	$5,572
CA Totals	**Total Hours/Dollars**	0	69,746	$5,695	$44	$0	$5,739	$255	$5,995
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA4204F RADIOLOGICAL CONTROL PROGRAM									
****PM&S- RADIOOLOGICAL CONTROL PROGRAM**	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
POY 2001, SPSHT	**To go Hours/Dollars**	0	77,687	$5,643	$68	$614	$6,325	$304	$6,628
	Total Hours/Dollars	0	77,687	$5,643	$68	$614	$6,325	$304	$6,628
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EA4204F	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
RADIOLOGICAL CONTROL PROGRAM	**To go Hours/Dollars**	0	77,687	$5,643	$68	$614	$6,325	$304	$6,628
CA Totals	**Total Hours/Dollars**	0	77,687	$5,643	$68	$614	$6,325	$304	$6,628
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: EC4101F 300 AREA REVITALIZATION									

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA	Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
		Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)	Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS02	**FINAL REACTOR AREA DISPOSITION**									
Subproject WBS: 3.2.2.10	**PROJECT MANAGEMENT & SUPPORT**									
Operable Unit: ERC PM&S										
****300 AREA REVITALIZATION EM 30**		**Todate Hours/Dollars**	0	0	$0	($1)	$0	($1)	N/A	($1)
		To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
PRIOR ACTUALS		**Total Hours/Dollars**	0	0	$0	($1)	$0	($1)	$0	($1)
		Todate Quantity		0		0		0		0
		To go Quantity		0		0		0		0
		Total Quantity		0		0		0		0
****300 AREA REVITALIZATION EM 40**		**Todate Hours/Dollars**	0	15	$1	$0	$0	$1	N/A	$1
		To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
PRIOR ACTUALS		**Total Hours/Dollars**	0	15	$1	$0	$0	$1	$0	$1
		Todate Quantity		0		0		0		0
		To go Quantity		0		0		0		0
		Total Quantity		0		0		0		0
****300 AREA REVITALIZATION EM 60**		**Todate Hours/Dollars**	0	0	$0	($1)	$0	($1)	N/A	($1)
		To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
PRIOR ACTUALS		**Total Hours/Dollars**	0	0	$0	($1)	$0	($1)	$0	($1)
		Todate Quantity		0		0		0		0
		To go Quantity		0		0		0		0
		Total Quantity		0		0		0		0

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Cost and Quantity Detail

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PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	
PBS: RL- RS02	**FINAL REACTOR AREA DISPOSITION**								
Subproject WBS: 3.2.2.10	**PROJECT MANAGEMENT & SUPPORT**								
Operable Unit: ERC PM&S									
CA: EC4101F	**Todate Hours/Dollars**	0	15	$1	($1)	$0	$0	N/A	$0
300 AREA REVITALIZATION	**To go Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
CA Totals	**Total Hours/Dollars**	0	15	$1	($1)	$0	$0	$0	$0
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
Operable Unit: ERC PM&S	**Todate Hours/Dollars**	20,410	138,304	$17,620	$5,596	$1,858	$25,074	N/A	$25,074
	To go Hours/Dollars	5,044	623,791	$45,104	$37,456	$3,818	$86,378	$2,800	$89,178
Operable Unit Totals	**Total Hours/Dollars**	25,454	762,094	$62,724	$43,051	$5,676	$111,451	$2,800	$114,251
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
Subproject WBS: 3.2.2.10	**Todate Hours/Dollars**	20,410	138,304	$17,620	$5,596	$1,858	$25,074	N/A	$25,074
PROJECT MANAGEMENT & SUPPORT	**To go Hours/Dollars**	5,044	623,791	$45,104	$37,456	$3,818	$86,378	$2,800	$89,178
Subproject Totals	**Total Hours/Dollars**	25,454	762,094	$62,724	$43,051	$5,676	$111,451	$2,800	$114,251
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	

PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION
Subproject WBS: 3.2.2.2 C REACTOR
Operable Unit: 100 B/C AREA

CA: UB2225 105-C DECOMMISSIONING

105C Reactor	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	77,705	217,492	$18,777	$25,412	$2,082	$46,271	$6,385	$52,656
LRP	**Total Hours/Dollars**	77,705	217,492	$18,777	$25,412	$2,082	$46,271	$6,385	$52,656
	Todate Quantity		0	0	0		0		0
	To go Quantity		0	0	0		0		0
	Total Quantity		0	0	0		0		0
CA: UB2225	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
105-C DECOMMISSIONING	**To go Hours/Dollars**	77,705	217,492	$18,777	$25,412	$2,082	$46,271	$6,385	$52,656
CA Totals	**Total Hours/Dollars**	77,705	217,492	$18,777	$25,412	$2,082	$46,271	$6,385	$52,656
	Todate Quantity		0	0	0		0		0
	To go Quantity		0	0	0		0		0
	Total Quantity		0	0	0		0		0
Operable Unit: 100 B/C AREA	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	77,705	217,492	$18,777	$25,412	$2,082	$46,271	$6,385	$52,656
Operable Unit Totals	**Total Hours/Dollars**	77,705	217,492	$18,777	$25,412	$2,082	$46,271	$6,385	$52,656
	Todate Quantity		0	0	0		0		0
	To go Quantity		0	0	0		0		0
	Total Quantity		0	0	0		0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION									
Subproject WBS: 3.2.2.2 C REACTOR									
Operable Unit: 100 B/C AREA									
Subproject WBS: 3.2.2.2	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
C REACTOR	**To go Hours/Dollars**	77,705	217,492	$18,777	$25,412	$2,082	$46,271	$6,385	$52,656
Subproject Totals	**Total Hours/Dollars**	77,705	217,492	$18,777	$25,412	$2,082	$46,271	$6,385	$52,656
	Todate Quantity		0	0	0		0		0
	To go Quantity		0	0	0		0		0
	Total Quantity		0	0	0		0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)
PBS: RL- RS02	**FINAL REACTOR AREA DISPOSITION**								
Subproject WBS: 3.2.2.3	**D REACTOR**								
Operable Unit: 100 AREA COMMON									
CA: UB1112D	**EFFLUENT P.L. ERA/RIVERLINES**								
100-D (A) Riverlines	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	313	6,477	$547	$100	$371	$1,019	$141	$1,159
RRLN01 INCL 100 AREA RIVERLINES 100-D (B)	**Total Hours/Dollars**	313	6,477	$547	$100	$371	$1,019	$141	$1,159
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
100-D (B) Riverlines	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
W/100 AREA RIVERLINES 100-D (A)	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
100-DR Riverlines	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	157	6,089	$506	$62	$197	$765	$106	$871
RRLN01	**Total Hours/Dollars**	157	6,089	$506	$62	$197	$765	$106	$871
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period / Hours and Dollars / Quantity	ERC Team Hours: Manual	ERC Team Hours: Non Manual	ERC Team Costs: Labor	ERC Team Costs: Matl/Equip/Unit	ERC Team Costs: Subcontracts	Subtotal Cost	Contingency	Total Cost
PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION									
Subproject WBS: 3.2.2.3 D REACTOR									
Operable Unit: 100 AREA COMMON									
CA: UB1112D	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
EFFLUENT P.L. ERA/RIVERLINES	**To go Hours/Dollars**	470	12,566	$1,053	$162	$569	$1,784	$246	$2,030
CA Totals	**Total Hours/Dollars**	470	12,566	$1,053	$162	$569	$1,784	$246	$2,030
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
Operable Unit: 100 AREA COMMON	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	470	12,566	$1,053	$162	$569	$1,784	$246	$2,030
Operable Unit Totals	**Total Hours/Dollars**	470	12,566	$1,053	$162	$569	$1,784	$246	$2,030
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	

PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION
Subproject WBS: 3.2.2.3 D REACTOR
Operable Unit: 100 D/DR AREA

CA: UB5200 105-D REACTOR (DECOMMISSIONING)

105D Reactor	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	64,729	181,171	$15,642	$21,168	$1,734	$38,544	$5,319	$43,863
REACTOR	**Total Hours/Dollars**	64,729	181,171	$15,642	$21,168	$1,734	$38,544	$5,319	$43,863
	Todate Quantity		0	0	0		0		0
	To go Quantity		0	0	0		0		0
	Total Quantity		0	0	0		0		0
CA: UB5200	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
105-D REACTOR (DECOMMISSIONING)	**To go Hours/Dollars**	64,729	181,171	$15,642	$21,168	$1,734	$38,544	$5,319	$43,863
CA Totals	**Total Hours/Dollars**	64,729	181,171	$15,642	$21,168	$1,734	$38,544	$5,319	$43,863
	Todate Quantity		0	0	0		0		0
	To go Quantity		0	0	0		0		0
	Total Quantity		0	0	0		0		0
Operable Unit: 100 D/DR AREA	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	64,729	181,171	$15,642	$21,168	$1,734	$38,544	$5,319	$43,863
Operable Unit Totals	**Total Hours/Dollars**	64,729	181,171	$15,642	$21,168	$1,734	$38,544	$5,319	$43,863
	Todate Quantity		0	0	0		0		0
	To go Quantity		0	0	0		0		0
	Total Quantity		0	0	0		0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION									
Subproject WBS: 3.2.2.3 D REACTOR									
Operable Unit: 100 D/DR AREA									
Subproject WBS: 3.2.2.3	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
D REACTOR	**To go Hours/Dollars**	65,199	193,737	$16,695	$21,330	$2,303	$40,327	$5,565	$45,893
Subproject Totals	**Total Hours/Dollars**	65,199	193,737	$16,695	$21,330	$2,303	$40,327	$5,565	$45,893
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

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PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	

PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION
Subproject WBS: 3.2.2.4 DR REACTOR
Operable Unit: 100 D/DR AREA

CA: UB5212 105-DR REACTOR (DECOMMISSIONING)

105DR Reactor	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	66,062	184,905	$15,964	$21,604	$1,770	$39,338	$5,429	$44,767
LRP	**Total Hours/Dollars**	66,062	184,905	$15,964	$21,604	$1,770	$39,338	$5,429	$44,767
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: UB5212	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
105-DR REACTOR (DECOMMISSIONING)	**To go Hours/Dollars**	66,062	184,905	$15,964	$21,604	$1,770	$39,338	$5,429	$44,767
CA Totals	**Total Hours/Dollars**	66,062	184,905	$15,964	$21,604	$1,770	$39,338	$5,429	$44,767
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
Operable Unit: 100 D/DR AREA	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	66,062	184,905	$15,964	$21,604	$1,770	$39,338	$5,429	$44,767
Operable Unit Totals	**Total Hours/Dollars**	66,062	184,905	$15,964	$21,604	$1,770	$39,338	$5,429	$44,767
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number
Subproject
Operable Unit
CA

Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	

PBS: RL- RS02 **FINAL REACTOR AREA DISPOSITION**
Subproject WBS: 3.2.2.4 **DR REACTOR**
Operable Unit: 100 D/DR AREA

Subproject WBS: 3.2.2.4	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
DR REACTOR	**To go Hours/Dollars**	66,062	184,905	$15,964	$21,604	$1,770	$39,338	$5,429	$44,767
Subproject Totals	**Total Hours/Dollars**	66,062	184,905	$15,964	$21,604	$1,770	$39,338	$5,429	$44,767
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period / Hours and Dollars / Quantity	ERC Team Hours: Manual	ERC Team Hours: Non Manual	ERC Team Costs: Labor	ERC Team Costs: Matl/Equip/Unit	ERC Team Costs: Subcontracts	Subtotal Cost	Contingency	Total Cost
PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION									
Subproject WBS: 3.2.2.5 K-EAST REACTOR									
Operable Unit: 100 AREA COMMON									
CA: UB1112E EFFLUENT P.L. ERA/RIVERLINES									
100-K (A) Riverlines	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	440	6,849	$585	$106	$683	$1,373	$190	$1,563
RRLN01 INCL 100 AREA RIVERLINES 100-K (B)	**Total Hours/Dollars**	440	6,849	$585	$106	$683	$1,373	$190	$1,563
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
100-K (B) Riverlines	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
W/100 AREA RIVERLINES 100-K (A)	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: UB1112E	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
EFFLUENT P.L. ERA/RIVERLINES	**To go Hours/Dollars**	440	6,849	$585	$106	$683	$1,373	$190	$1,563
CA Totals	**Total Hours/Dollars**	440	6,849	$585	$106	$683	$1,373	$190	$1,563
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)
PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION									
Subproject WBS: 3.2.2.5 K-EAST REACTOR									
Operable Unit: 100 AREA COMMON									
Operable Unit: 100 AREA COMMON	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	440	6,849	$585	$106	$683	$1,373	$190	$1,563
Operable Unit Totals	**Total Hours/Dollars**	440	6,849	$585	$106	$683	$1,373	$190	$1,563
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period / Hours and Dollars / Quantity	ERC Team Hours: Manual	ERC Team Hours: Non Manual	ERC Team Costs: Labor	ERC Team Costs: Matl/Equip/Unit	ERC Team Costs: Subcontracts	Subtotal Cost	Contingency	Total Cost
PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION									
Subproject WBS: 3.2.2.5 K-EAST REACTOR									
Operable Unit: 100 KR AREA									
CA: UB9211 105-KE REACTOR (DECOMMISSIONING)									
105KE Reactor	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	114,405	320,211	$27,381	$37,413	$3,065	$67,859	$9,365	$77,224
REACTOR	**Total Hours/Dollars**	114,405	320,211	$27,381	$37,413	$3,065	$67,859	$9,365	$77,224
	Todate Quantity		0		0	0		0	0
	To go Quantity		0		0	0		0	0
	Total Quantity		0		0	0		0	0
105KE Water tunnels	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	544	3,407	$297	$108	$0	$405	$56	$461
WTRT01	**Total Hours/Dollars**	544	3,407	$297	$108	$0	$405	$56	$461
	Todate Quantity		0		0	0		0	0
	To go Quantity		0		0	11,400		0	0
	Total Quantity		0		0	11,400		0	0
CA: UB9211	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
105-KE REACTOR (DECOMMISSIONING)	**To go Hours/Dollars**	114,949	323,618	$27,678	$37,521	$3,065	$68,264	$9,420	$77,685
CA Totals	**Total Hours/Dollars**	114,949	323,618	$27,678	$37,521	$3,065	$68,264	$9,420	$77,685
	Todate Quantity		0		0	0		0	0
	To go Quantity		0		0	11,400		0	0
	Total Quantity		0		0	11,400		0	0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION									
Subproject WBS: 3.2.2.5 K-EAST REACTOR									
Operable Unit: 100 KR AREA									
Operable Unit: 100 KR AREA	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	114,949	323,618	$27,678	$37,521	$3,065	$68,264	$9,420	$77,685
Operable Unit Totals	**Total Hours/Dollars**	114,949	323,618	$27,678	$37,521	$3,065	$68,264	$9,420	$77,685
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		11,400	0		0
	Total Quantity		0	0		11,400	0		0
Subproject WBS: 3.2.2.5 K-EAST REACTOR	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	115,389	330,467	$28,263	$37,627	$3,748	$69,638	$9,610	$79,248
Subproject Totals	**Total Hours/Dollars**	115,389	330,467	$28,263	$37,627	$3,748	$69,638	$9,610	$79,248
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		11,400	0		0
	Total Quantity		0	0		11,400	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)
PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION									
Subproject WBS: 3.2.2.6 K-WEST REACTOR									
Operable Unit: 100 KR AREA									
CA: UB9213 105-KW REACTOR (DECOMMISSIONING)									
105KW Reactor	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	102,608	287,193	$24,557	$33,555	$2,749	$60,862	$8,399	$69,261
REACTOR	**Total Hours/Dollars**	102,608	287,193	$24,557	$33,555	$2,749	$60,862	$8,399	$69,261
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: UB9213	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
105-KW REACTOR (DECOMMISSIONING)	**To go Hours/Dollars**	102,608	287,193	$24,557	$33,555	$2,749	$60,862	$8,399	$69,261
CA Totals	**Total Hours/Dollars**	102,608	287,193	$24,557	$33,555	$2,749	$60,862	$8,399	$69,261
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
Operable Unit: 100 KR AREA	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	102,608	287,193	$24,557	$33,555	$2,749	$60,862	$8,399	$69,261
Operable Unit Totals	**Total Hours/Dollars**	102,608	287,193	$24,557	$33,555	$2,749	$60,862	$8,399	$69,261
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS02	**FINAL REACTOR AREA DISPOSITION**								
Subproject WBS: 3.2.2.6	**K-WEST REACTOR**								
Operable Unit: 100 KR AREA									
Subproject WBS: 3.2.2.6	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
K-WEST REACTOR	**To go Hours/Dollars**	102,608	287,193	$24,557	$33,555	$2,749	$60,862	$8,399	$69,261
Subproject Totals	**Total Hours/Dollars**	102,608	287,193	$24,557	$33,555	$2,749	$60,862	$8,399	$69,261
	Todate Quantity		0	0	0		0		0
	To go Quantity		0	0	0		0		0
	Total Quantity		0	0	0		0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)
PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION									
Subproject WBS: 3.2.2.7 N REACTOR									
Operable Unit: 100 AREA COMMON									
CA: UB1112F EFFLUENT P.L. ERA/RIVERLINES									
100-N Riverlines	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	232	6,312	$528	$65	$394	$987	$136	$1,123
RRLN01	**Total Hours/Dollars**	232	6,312	$528	$65	$394	$987	$136	$1,123
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: UB1112F EFFLUENT P.L. ERA/RIVERLINES	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	232	6,312	$528	$65	$394	$987	$136	$1,123
CA Totals	**Total Hours/Dollars**	232	6,312	$528	$65	$394	$987	$136	$1,123
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
Operable Unit: 100 AREA COMMON	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	232	6,312	$528	$65	$394	$987	$136	$1,123
Operable Unit Totals	**Total Hours/Dollars**	232	6,312	$528	$65	$394	$987	$136	$1,123
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	

PBS: RL- RS02 **FINAL REACTOR AREA DISPOSITION**
Subproject WBS: 3.2.2.7 **N REACTOR**
Operable Unit: 100 N AREA

CA: UBB211 **105-N REACTOR (DECOMMISSIONING)**

105N Reactor	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	102,426	286,683	$24,514	$33,496	$2,744	$60,754	$8,384	$69,138
REACTOR	**Total Hours/Dollars**	102,426	286,683	$24,514	$33,496	$2,744	$60,754	$8,384	$69,138
	Todate Quantity		0	0	0		0		0
	To go Quantity		0	0	0		0		0
	Total Quantity		0	0	0		0		0
CA: UBB211	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
105-N REACTOR (DECOMMISSIONING)	**To go Hours/Dollars**	102,426	286,683	$24,514	$33,496	$2,744	$60,754	$8,384	$69,138
CA Totals	**Total Hours/Dollars**	102,426	286,683	$24,514	$33,496	$2,744	$60,754	$8,384	$69,138
	Todate Quantity		0	0	0		0		0
	To go Quantity		0	0	0		0		0
	Total Quantity		0	0	0		0		0
Operable Unit: 100 N AREA	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	102,426	286,683	$24,514	$33,496	$2,744	$60,754	$8,384	$69,138
Operable Unit Totals	**Total Hours/Dollars**	102,426	286,683	$24,514	$33,496	$2,744	$60,754	$8,384	$69,138
	Todate Quantity		0	0	0		0		0
	To go Quantity		0	0	0		0		0
	Total Quantity		0	0	0		0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS02	**FINAL REACTOR AREA DISPOSITION**								
Subproject WBS: 3.2.2.7	**N REACTOR**								
Operable Unit: 100 N AREA									
Subproject WBS: 3.2.2.7	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
N REACTOR	**To go Hours/Dollars**	102,658	292,995	$25,042	$33,561	$3,138	$61,741	$8,520	$70,261
Subproject Totals	**Total Hours/Dollars**	102,658	292,995	$25,042	$33,561	$3,138	$61,741	$8,520	$70,261
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

Note: Site numbers preceded by ** are work activities.
Source/Calc Model/Comments is information only, and indicates the source of the last update/revision to the line item (e.g.; "Actuals 2000" or "Prior Actuals", indicates the last change to the values came from the reported actuals; "DWP 2001" indicates the values are from the published DWP Volumes), For descriptions of acronyms/abbreviations see Volume 1, Appendix D.

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)
PBS: RL- RS02	**FINAL REACTOR AREA DISPOSITION**								
Subproject WBS: 3.2.2.8	**H REACTOR**								
Operable Unit: 100 AREA COMMON									
CA: UB1112C	**EFFLUENT P.L. ERA/RIVERLINES**								
100-H (A) Riverlines	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	198	6,224	$519	$99	$274	$892	$123	$1,015
RRLN01 INCL 100 AREA RIVERLINES 100-H (B)	**Total Hours/Dollars**	198	6,224	$519	$99	$274	$892	$123	$1,015
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
100-H (B) Riverlines	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
W/100 AREA RIVERLINES 100-H (A)	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: UB1112C	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
EFFLUENT P.L. ERA/RIVERLINES	**To go Hours/Dollars**	198	6,224	$519	$99	$274	$892	$123	$1,015
CA Totals	**Total Hours/Dollars**	198	6,224	$519	$99	$274	$892	$123	$1,015
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

Note: Site numbers preceded by ** are work activities.
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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)

PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION

Subproject WBS: 3.2.2.8 H REACTOR

Operable Unit: 100 AREA COMMON

Operable Unit: 100 AREA COMMON	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	198	6,224	$519	$99	$274	$892	$123	$1,015
Operable Unit Totals	**Total Hours/Dollars**	198	6,224	$519	$99	$274	$892	$123	$1,015
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

Note: Site numbers preceded by ** are work activities.
Source/Calc Model/Comments is information only, and indicates the source of the last update/revision to the line item (e.g.; "Actuals 2000" or "Prior Actuals", indicates the last change to the values came from the reported actuals; "DWP 2001" indicates the values are from the published DWP Volumes), For descriptions of acronyms/abbreviations see Volume 1, Appendix D.

The first 6 characters of the Cost Account Number (CA) is the actual cost account number, additional characters indicate the account is split.

Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	

PBS: RL- RS02 FINAL REACTOR AREA DISPOSITION
Subproject WBS: 3.2.2.8 H REACTOR
Operable Unit: 100 HR AREA

CA: UB8211 105-H REACTOR (DECOMMISSIONING)

105H Reactor	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	73,895	206,828	$17,685	$24,166	$1,980	$43,831	$6,049	$49,880
REACTOR	**Total Hours/Dollars**	73,895	206,828	$17,685	$24,166	$1,980	$43,831	$6,049	$49,880
	Todate Quantity		0		0	0		0	0
	To go Quantity		0		0	0		0	0
	Total Quantity		0		0	0		0	0
CA: UB8211	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
105-H REACTOR (DECOMMISSIONING)	**To go Hours/Dollars**	73,895	206,828	$17,685	$24,166	$1,980	$43,831	$6,049	$49,880
CA Totals	**Total Hours/Dollars**	73,895	206,828	$17,685	$24,166	$1,980	$43,831	$6,049	$49,880
	Todate Quantity		0		0	0		0	0
	To go Quantity		0		0	0		0	0
	Total Quantity		0		0	0		0	0
Operable Unit: 100 HR AREA	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	73,895	206,828	$17,685	$24,166	$1,980	$43,831	$6,049	$49,880
Operable Unit Totals	**Total Hours/Dollars**	73,895	206,828	$17,685	$24,166	$1,980	$43,831	$6,049	$49,880
	Todate Quantity		0		0	0		0	0
	To go Quantity		0		0	0		0	0
	Total Quantity		0		0	0		0	0

Note: Site numbers preceded by ** are work activities.
Source/Calc Model/Comments is information only, and indicates the source of the last update/revision to the line item (e.g.; "Actuals 2000" or "Prior Actuals", indicates the last change to the values came from the reported actuals; "DWP 2001" indicates the values are from the published DWP Volumes), For descriptions of acronyms/abbreviations see Volume 1, Appendix D.

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)

PBS: RL- RS02 **FINAL REACTOR AREA DISPOSITION**

Subproject WBS: 3.2.2.8 **H REACTOR**

Operable Unit: 100 HR AREA

Subproject WBS: 3.2.2.8	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
H REACTOR	**To go Hours/Dollars**	74,093	213,052	$18,205	$24,264	$2,254	$44,723	$6,172	$50,894
Subproject Totals	**Total Hours/Dollars**	74,093	213,052	$18,205	$24,264	$2,254	$44,723	$6,172	$50,894
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

Note: Site numbers preceded by ** are work activities.
Source/Calc Model/Comments is information only, and indicates the source of the last update/revision to the line item (e.g.; "Actuals 2000" or "Prior Actuals", indicates the last change to the values came from the reported actuals; "DWP 2001" indicates the values are from the published DWP Volumes), For descriptions of acronyms/abbreviations see Volume 1, Appendix D.

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)
PBS: RL- RS02	**FINAL REACTOR AREA DISPOSITION**								
Subproject WBS: 3.2.2.9	**F REACTOR**								
Operable Unit: 100 AREA COMMON									
CA: UB1112B	**EFFLUENT P.L. ERA/RIVERLINES**								
100-F (A) Riverlines	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	79	5,930	$488	$96	$110	$693	$96	$789
RRLN01 INCL 100 AREA RIVERLINES 100-F (B)	**Total Hours/Dollars**	79	5,930	$488	$96	$110	$693	$96	$789
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
100-F (B) Riverlines	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	0	0	$0	$0	$0	$0	$0	$0
W/100 AREA RIVERLINES 100-F (A)	**Total Hours/Dollars**	0	0	$0	$0	$0	$0	$0	$0
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: UB1112B	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
EFFLUENT P.L. ERA/RIVERLINES	**To go Hours/Dollars**	79	5,930	$488	$96	$110	$693	$96	$789
CA Totals	**Total Hours/Dollars**	79	5,930	$488	$96	$110	$693	$96	$789
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

Note: Site numbers preceded by ** are work activities.
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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)		Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)

PBS: RL- RS02 **FINAL REACTOR AREA DISPOSITION**

Subproject WBS: 3.2.2.9 **F REACTOR**

Operable Unit: 100 AREA COMMON

Operable Unit: 100 AREA COMMON	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	79	5,930	$488	$96	$110	$693	$96	$789
Operable Unit Totals	**Total Hours/Dollars**	79	5,930	$488	$96	$110	$693	$96	$789
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

Note: Site numbers preceded by ** are work activities.
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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No.	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
Source / Calc Model / Comment	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)	Vapor Processed (CM)	

PBS: RL- RS02 **FINAL REACTOR AREA DISPOSITION**
Subproject WBS: 3.2.2.9 **F REACTOR**
Operable Unit: 100 F AREA

CA: UB6208 **105-F REACTOR (DECOMMISSIONING**

105F Reactor	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	62,524	175,002	$14,964	$20,447	$1,675	$37,086	$5,118	$42,204
LRP	**Total Hours/Dollars**	62,524	175,002	$14,964	$20,447	$1,675	$37,086	$5,118	$42,204
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
CA: UB6208	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
105-F REACTOR (DECOMMISSIONING	**To go Hours/Dollars**	62,524	175,002	$14,964	$20,447	$1,675	$37,086	$5,118	$42,204
CA Totals	**Total Hours/Dollars**	62,524	175,002	$14,964	$20,447	$1,675	$37,086	$5,118	$42,204
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
Operable Unit: 100 F AREA	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
	To go Hours/Dollars	62,524	175,002	$14,964	$20,447	$1,675	$37,086	$5,118	$42,204
Operable Unit Totals	**Total Hours/Dollars**	62,524	175,002	$14,964	$20,447	$1,675	$37,086	$5,118	$42,204
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0

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Cost and Quantity Detail

(Costs in $1,000s, Excludes Escalation)

PBS Number / Subproject / Operable Unit / CA / Site / Facility / Activity No. / Source / Calc Model / Comment	Time Period	ERC Team Hours		ERC Team Costs					
	Hours and Dollars	Manual	Non Manual	Labor	Matl/Equip/Unit	Subcontracts	Subtotal Cost	Contingency	Total Cost
	Quantity	Low Level Waste (LCY)		Barrier Cap (SF)	Gross Bldg. Area (SF)		Water Processed (L)		Vapor Processed (CM)
PBS: RL- RS02	**FINAL REACTOR AREA DISPOSITION**								
Subproject WBS: 3.2.2.9	**F REACTOR**								
Operable Unit: 100 F AREA									
Subproject WBS: 3.2.2.9	**Todate Hours/Dollars**	0	0	$0	$0	$0	$0	N/A	$0
F REACTOR	**To go Hours/Dollars**	62,603	180,932	$15,452	$20,543	$1,785	$37,780	$5,214	$42,993
Subproject Totals	**Total Hours/Dollars**	62,603	180,932	$15,452	$20,543	$1,785	$37,780	$5,214	$42,993
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		0	0		0
	Total Quantity		0	0		0	0		0
PBS: RL- RS02	**Todate Hours/Dollars**	20,410	138,304	$17,620	$5,596	$1,858	$25,074	N/A	$25,074
PBS Totals	**To go Hours/Dollars**	770,852	2,814,201	$233,029	$287,963	$26,731	$547,723	$66,466	$614,189
	Total Hours/Dollars	791,262	2,952,504	$250,649	$293,559	$28,589	$572,797	$66,466	$639,263
	Todate Quantity		0	0		0	0		0
	To go Quantity		0	0		11,400	0		0
	Total Quantity		0	0		11,400	0		0

Note: Site numbers preceded by ** are work activities.
Source/Calc Model/Comments is information only, and indicates the source of the last update/revision to the line item (e.g.; "Actuals 2000" or "Prior Actuals", indicates the last change to the values came from the reported actuals; "DWP 2001" indicates the values are from the published DWP Volumes), For descriptions of acronyms/abbreviations see Volume 1, Appendix D.

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8.0 LIFECYCLE TO-GO COSTS INTRODUCTION

The following time-phased cost reports represent the baseline cost estimates by fiscal year, and are grouped by PBS number.

The reports are organized by PBS, with loading by "resource." The resources represent the cost types in the baseline/LRP schedule database. The following list represents the cost types:

AA$'s: Additional Authorization; funding for ER scope to be provided separately from other sources.

CO$'s: Carryover dollars (by cost account); the value of tasks carried forward from the previous year.

CONT: Contingency (input by PBS) from the baseline database, by cost account.

DOLLARS: Outyear dollars (total dollars by cost account, from the baseline database, per prioritization logic), for FY01-FY46.

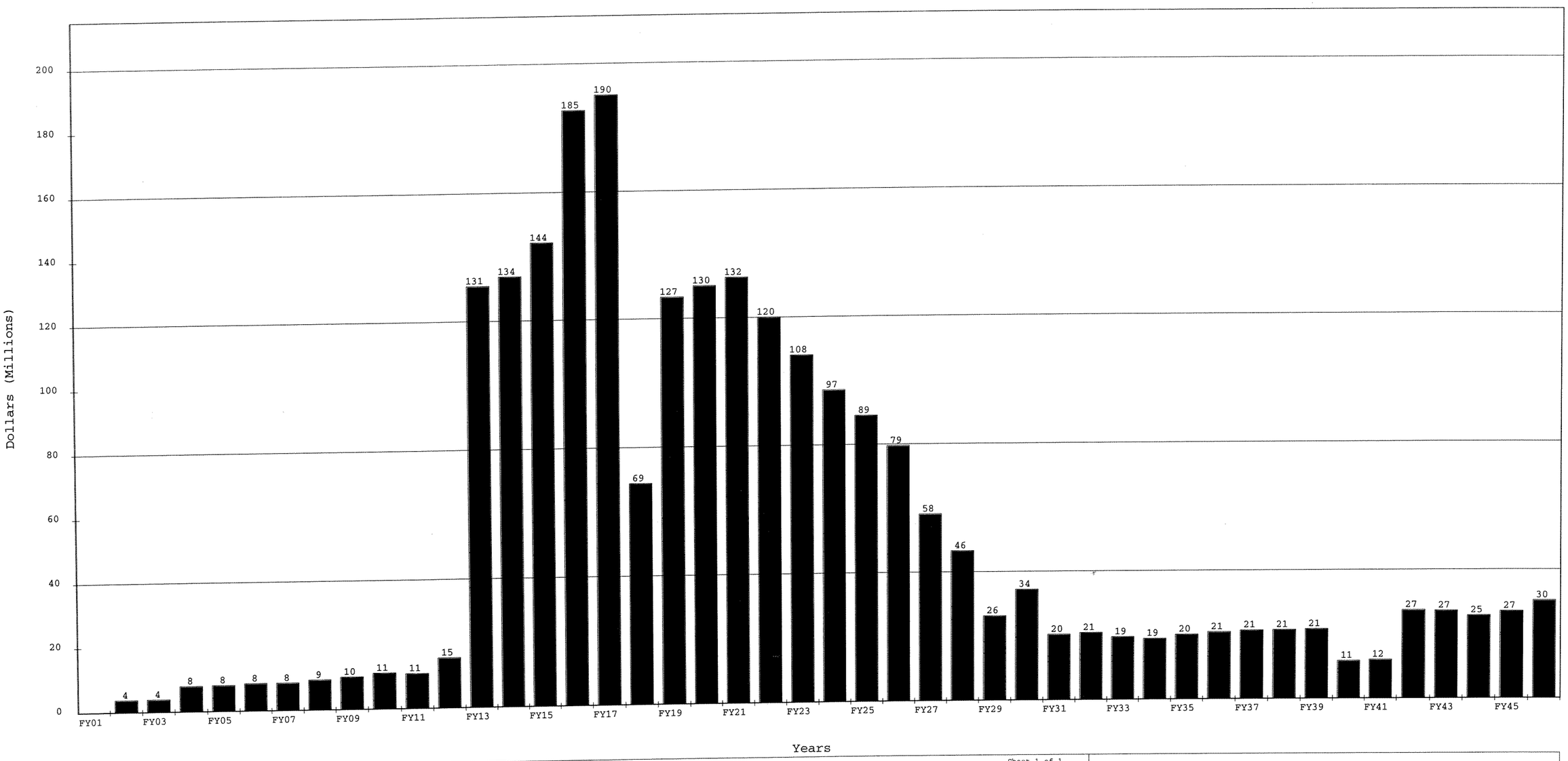
FY01$'s: FY01 dollars per the FY01-FY03 Detailed Work Plan (DWP).

OUTESC: Outyear escalation (calculated from the time-phased DWP and outyear dollars, per funding guidance, input by PBS) for FY02-FY46.

The "report total" line represents total costs (estimated by fiscal year) for completion of the current ER Project scope (FY01-FY46). The costs in the report are shown in $1,000's.

8.1 LIFECYCLE TO-GO COSTS

Lifecycle to-go cost information is provided in the following charts and cost tables. Following the overall lifecycle cost information for the ER Project are specific lifecycle costs that are grouped by PBS number.



Project Start	1OCT00	Sheet 1 of 1	LRP BASELINE UPDATE, REV. 0
Project Finish	28SEP46	ENVIRONMENTAL RESTORATION	Date / Revision / Checked / Approved
Data Date	1OCT00	LONG RANGE PLAN SUMMARY SCHEDULE	
Plot Date	6JAN01	ENVIRONMENTAL RESTORATION (RERP)	
(c) Primavera Systems, Inc.			

(LRP BSLN UPDT REV. 5) PRIMAVERA PROJECT PLANNER LRP6 -JAN 05, 01 (NEW PBS FORMAT)

REPORT DATE 06JAN01 RUN NO. 3828 15:26 COST LOADING REPORT START DATE 01OCT00 FIN DATE 28SEP46

RICHLAND ENVIRONMENTAL RESTORATION CNTRCT (RERP) TOTAL USAGE FOR YEAR DATA DATE 01OCT00 PAGE NO. 1- 1

ACT ID	DESC	TOTAL	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
CO$'S	- CARRYOVER DOLLARS ($x1k)																	
RS01	- So. HANFORD INDUSTRIAL AREA CLEAN UP																	
TOTAL	CO$'S																	
CONT	- CONTINGENCY ($x1k)																	
RS01	- So. HANFORD INDUSTRIAL AREA CLEAN UP	113010				3178	3166	3325	3172	3543	3776	4038	3907	3594	5449	5009	5009	5061
RS02	- FINAL REACTOR DISPOSITION	66466												3638	5517	5072	5072	5124
TOTAL	CONT	179476				3178	3166	3325	3172	3543	3776	4038	3907	7232	10966	10081	10081	10184
DOLLARS	- DOLLARS ($x1k)																	
RS01	- So. HANFORD INDUSTRIAL AREA CLEAN UP	601590		3435	3442	3860	3841	3898	3845	3923	4077	4395	4063	3984	79191	79177	79452	79845
RS02	- FINAL REACTOR DISPOSITION	547668													3684	3684	7723	31467
TOTAL	DOLLARS	1149258		3435	3442	3860	3841	3898	3845	3923	4077	4395	4063	3984	82874	82860	87175	111312
OUTESC	- OUTYEAR ESCALATION ($x1k)																	
RS01	- So. HANFORD INDUSTRIAL AREA CLEAN UP	529974		93	188	593	789	1030	1243	1592	1974	2477	2643	2781	33359	36886	40709	44570
RS02	- FINAL REACTOR DISPOSITION	477158												1335	3626	3836	6167	19208
TOTAL	OUTESC	1007132		93	188	593	789	1030	1243	1592	1974	2477	2643	4116	36985	40722	46875	63778
	REPORT TOTAL	2335866		3528	3630	7631	7795	8254	8260	9058	9827	10910	10612	15332	130825	133663	144131	185274

(LRP BSLN UPDT REV. 5)

REPORT DATE 06JAN01 RUN NO. 3828
15:26

RICHLAND ENVIRONMENTAL RESTORATION CNTRCT (RERP)

PRIMAVERA PROJECT PLANNER

COST LOADING REPORT

TOTAL USAGE FOR YEAR

LRP6 -JAN 05, 01 (NEW PBS FORMAT)

START DATE 01OCT00 FIN DATE 28SEP46

DATA DATE 01OCT00 PAGE NO. 1- 2

ACT ID	DESC	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033
CO$'S	- CARRYOVER DOLLARS ($x1k)																	
RS01	- So. HANFORD INDUSTRIAL AREA CLEAN UP																	
TOTAL	CO$'S																	
CONT	- CONTINGENCY ($x1k)																	
RS01	- So. HANFORD INDUSTRIAL AREA CLEAN UP	5262	3683	3570	3581	3431	3119	3073	2878	2739	2610	1983	1983	1803	1810	1758	1765	1758
RS02	- FINAL REACTOR DISPOSITION	5328	3729	3614	3626	3474	3158	3111	2914	2773	2643	2008	2008	1826	1833			
TOTAL	CONT	10591	7411	7184	7206	6905	6277	6184	5792	5512	5253	3991	3991	3629	3643	1758	1765	1758
DOLLARS	- DOLLARS ($x1k)																	
RS01	- So. HANFORD INDUSTRIAL AREA CLEAN UP	78995	5472	5297	5207	5114	5031	4762	4684	4632	4510	3487	3399	3349	6855	6824	6785	5992
RS02	- FINAL REACTOR DISPOSITION	31616	29573	63601	63514	63204	54834	46937	40021	34862	29281	20228	14163	4757	4520			
TOTAL	DOLLARS	110610	35044	68899	68721	68318	59865	51700	44705	39495	33791	23715	17562	8106	11375	6824	6785	5992
OUTESC	- OUTYEAR ESCALATION ($x1k)																	
RS01	- So. HANFORD INDUSTRIAL AREA CLEAN UP	47818	5642	5880	6252	6503	6619	6775	6948	7183	7346	5966	6196	6253	11074	11493	12028	11440
RS02	- FINAL REACTOR DISPOSITION	20967	20524	44577	47765	50745	47097	43276	39447	36674	32936	24252	18618	7990	8118			
TOTAL	OUTESC	68785	26166	50457	54016	57248	53717	50051	46394	43858	40282	30218	24814	14242	19193	11493	12028	11440
	REPORT TOTAL	189986	68622	126539	129944	132470	119859	107935	96891	88865	79326	57924	46367	25977	34210	20075	20578	19191

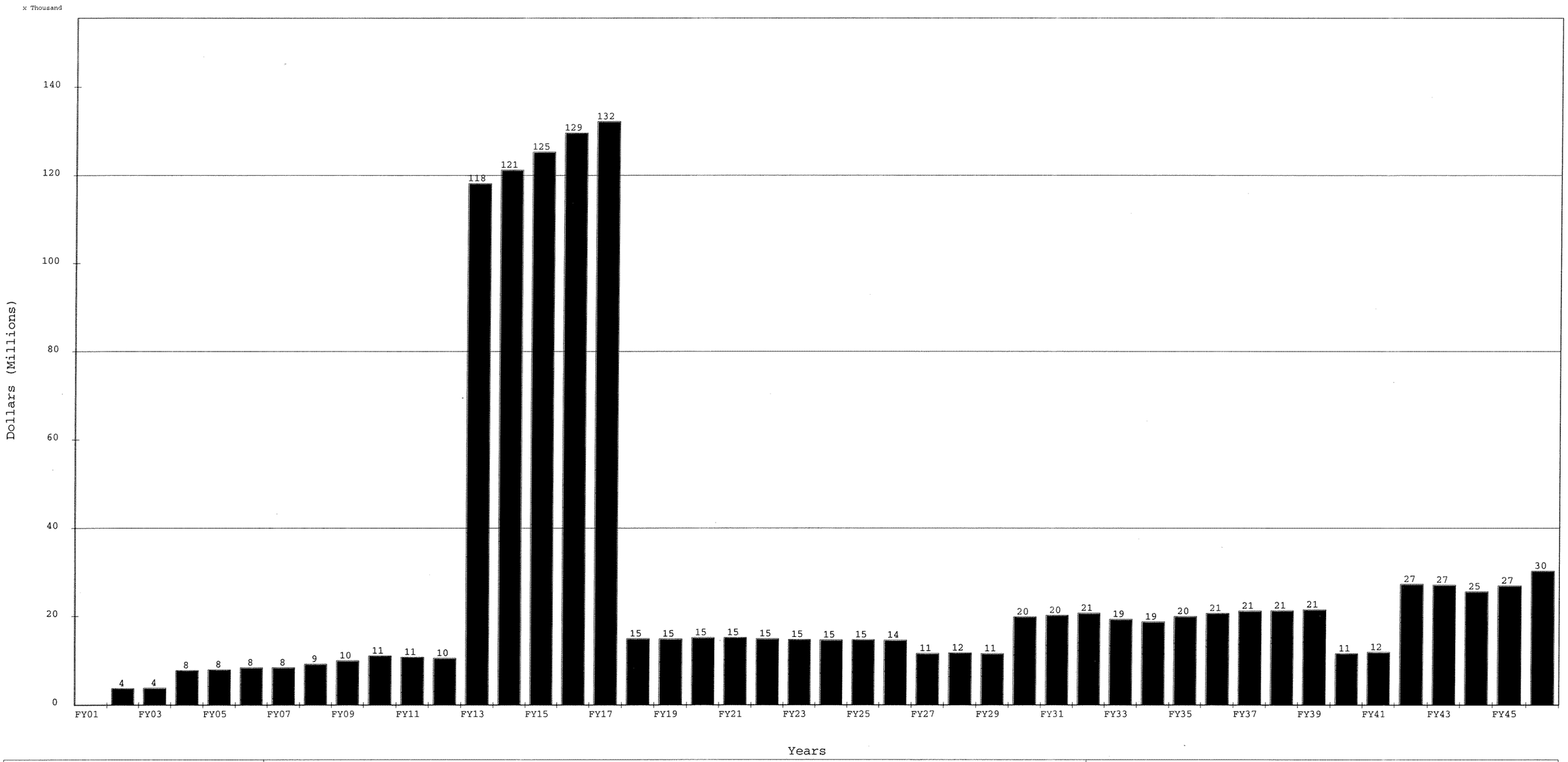
River Corridor Final Closure and Spent Nuclear Fuel Baseline

(LRP BSLN UPDT REV. 5) PRIMAVERA PROJECT PLANNER LRP6 -JAN 05, 01 (NEW PBS FORMAT)

REPORT DATE 06JAN01 RUN NO. 3828 COST LOADING REPORT START DATE 01OCT00 FIN DATE 28SEP46
15:26

RICHLAND ENVIRONMENTAL RESTORATION CNTRCT (RERP) TOTAL USAGE FOR YEAR DATA DATE 01OCT00 PAGE NO. 1- 3

ACT ID	DESC	FY 2034	FY 2035	FY 2036	FY 2037	FY 2038	FY 2039	FY 2040	FY 2041	FY 2042	FY 2043	FY 2044	FY 2045	FY 2046
CO$'S	- CARRYOVER DOLLARS ($x1k)													
RS01	- So. HANFORD INDUSTRIAL AREA CLEAN UP													
TOTAL	CO$'S													
CONT	- CONTINGENCY ($x1k)													
RS01	- So. HANFORD INDUSTRIAL AREA CLEAN UP	1477	1448	1459	1454	1270	1149	1145	1149	1034	489	491	707	707
RS02	- FINAL REACTOR DISPOSITION													
TOTAL	CONT	1477	1448	1459	1454	1270	1149	1145	1149	1034	489	491	707	707
DOLLARS	- DOLLARS ($x1k)													
RS01	- So. HANFORD INDUSTRIAL AREA CLEAN UP	5813	6127	6162	6145	6145	6145	2637	2641	7644	7644	6956	6916	9796
RS02	- FINAL REACTOR DISPOSITION													
TOTAL	DOLLARS	5813	6127	6162	6145	6145	6145	2637	2641	7644	7644	6956	6916	9796
OUTESC	- OUTYEAR ESCALATION ($x1k)													
RS01	- So. HANFORD INDUSTRIAL AREA CLEAN UP	11319	12272	12924	13477	13745	14086	7638	7947	18492	18853	18048	19184	19647
RS02	- FINAL REACTOR DISPOSITION													
TOTAL	OUTESC	11319	12272	12924	13477	13745	14086	7638	7947	18492	18853	18048	19184	19647
	REPORT TOTAL	18609	19847	20545	21075	21159	21380	11419	11737	27169	26986	25496	26806	30149



Project Start	1OCT00	ENVIRONMENTAL RESTORATION	Sheet 1 of 1
Project Finish	28SEP46	LONG RANGE PLAN SUMMARY SCHEDULE	
Data Date	1OCT00	PBS: RS01, So. HANFORD INDUST. AREA	
Plot Date	5JAN01		
(c) Primavera Systems, Inc.			

LRP BASELINE UPDATE, REV. 0

Date	Revision	Checked	Approved

River Corridor Final Closure and Spent Nuclear Fuel Baseline

(LRP BSLN UPDT REV. 5) PRIMAVERA PROJECT PLANNER LRP6 -JAN 05, 01 (NEW PBS FORMAT)

REPORT DATE 05JAN01 RUN NO. 3800 COST LOADING REPORT START DATE 01OCT00 FIN DATE 28SEP46
18:29

PBS: RS01, So. HANFORD INDUSTRIAL AREA CLEAN UP TOTAL USAGE FOR YEAR DATA DATE 01OCT00 PAGE NO. 1- 1

ACT ID	DESC	TOTAL	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
CO$'S	- CARRYOVER DOLLARS ($x1k)																	
EA	Program Management and Support - ERC																	
TOTAL	CO$'S																	
CONT	- CONTINGENCY ($x1k)																	
CONT	CONT	113010				3178	3166	3325	3172	3543	3776	4038	3907	3594	5449	5009	5009	5061
TOTAL	CONT	113010				3178	3166	3325	3172	3543	3776	4038	3907	3594	5449	5009	5009	5061
DOLLARS	- DOLLARS ($x1k)																	
EA	Program Management and Support - ERC	145466		3435	3442	3860	3841	3898	3845	3923	4077	4395	4063	3984	4508	4494	4770	4876
P22211M	300-FF-2 Remediation - All Sites	23955													4494	4494	4494	4512
P22211N	300-FF-2 Remediation - All Sites	350670													70188	70188	70188	70457
UB1216F	BEMR - D&D	35039																
UB1216G	BEMR - D&D	17686																
UB1216H	BEMR - D&D	26569																
UC1110	300 Area FTF Surveillance and Maintenance	2205																
TOTAL	DOLLARS	601590		3435	3442	3860	3841	3898	3845	3923	4077	4395	4063	3984	79191	79177	79452	79845
OUTESC	- OUTYEAR ESCALATION ($x1k)																	
ESC	ESC	529974		93	188	593	789	1030	1243	1592	1974	2477	2643	2781	33359	36886	40709	44570
TOTAL	OUTESC	529974		93	188	593	789	1030	1243	1592	1974	2477	2643	2781	33359	36886	40709	44570
	REPORT TOTAL	1244574		3528	3630	7631	7795	8254	8260	9058	9827	10910	10612	10358	117999	121071	125170	129475

(LRP BSLN UPDT REV. 5) PRIMAVERA PROJECT PLANNER LRP6 -JAN 05, 01 (NEW PBS FORMAT)

REPORT DATE 05JAN01 RUN NO. 3800 COST LOADING REPORT START DATE 01OCT00 FIN DATE 28SEP46

18:29 DATA DATE 01OCT00 PAGE NO. 1- 2

PBS: RS01, So. HANFORD INDUSTRIAL AREA CLEAN UP TOTAL USAGE FOR YEAR

ACT ID	DESC	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033
CO$'S	- CARRYOVER DOLLARS ($x1k)																	
EA	Program Management and Support - ERC																	
TOTAL	CO$'S																	
CONT	- CONTINGENCY ($x1k)																	
CONT	CONT	5262	3683	3570	3581	3431	3119	3073	2878	2739	2610	1983	1983	1803	1810	1758	1765	1758
TOTAL	CONT	5262	3683	3570	3581	3431	3119	3073	2878	2739	2610	1983	1983	1803	1810	1758	1765	1758
DOLLARS	- DOLLARS ($x1k)																	
EA	Program Management and Support - ERC	4885	3972	4590	4497	4406	4324	4058	3976	3925	3802	2779	2691	2644	2643	2613	2557	1781
P22211M	300-FF-2 Remediation - All Sites	4460	1500															
P22211N	300-FF-2 Remediation - All Sites	69650																
UB1216F	BEMR - D&D														3504	3504	3517	3504
UB1216G	BEMR - D&D			708	710	708	708	705	708	708	708	708	708	705	708	708	710	708
UB1216H	BEMR - D&D																	
UC1110	300 Area FTF Surveillance and Maintenance																	
TOTAL	DOLLARS	78995	5472	5297	5207	5114	5031	4762	4684	4632	4510	3487	3399	3349	6855	6824	6785	5992
OUTESC	- OUTYEAR ESCALATION ($x1k)																	
ESC	ESC	47818	5642	5880	6252	6503	6619	6775	6948	7183	7346	5966	6196	6253	11074	11493	12028	11440
TOTAL	OUTESC	47818	5642	5880	6252	6503	6619	6775	6948	7183	7346	5966	6196	6253	11074	11493	12028	11440
	REPORT TOTAL	132076	14796	14747	15040	15048	14770	14610	14509	14555	14465	11435	11578	11405	19739	20075	20578	19191

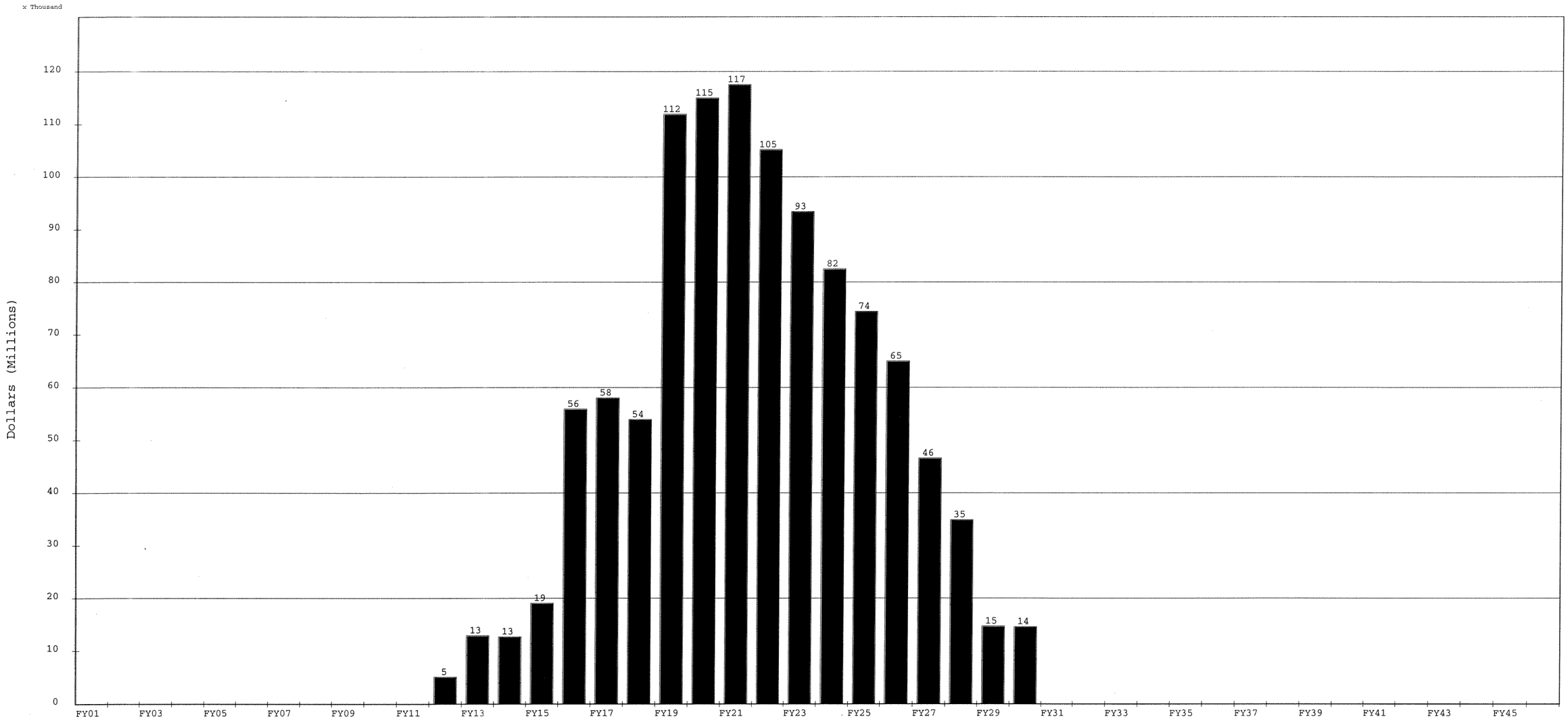
River Corridor Final Closure and Spent Nuclear Fuel Baseline

(LRP BSLN UPDT REV. 5) PRIMAVERA PROJECT PLANNER LRP6 -JAN 05, 01 (NEW PBS FORMAT)

REPORT DATE 05JAN01 RUN NO. 3800 COST LOADING REPORT START DATE 01OCT00 FIN DATE 28SEP46
18:29 DATA DATE 01OCT00 PAGE NO. 1- 3

PBS: RS01, So. HANFORD INDUSTRIAL AREA CLEAN UP TOTAL USAGE FOR YEAR

ACT ID	DESC	FY 2034	FY 2035	FY 2036	FY 2037	FY 2038	FY 2039	FY 2040	FY 2041	FY 2042	FY 2043	FY 2044	FY 2045	FY 2046
CO$'S	- CARRYOVER DOLLARS ($x1k)													
EA	Program Management and Support - ERC													
TOTAL	CO$'S													
CONT	- CONTINGENCY ($x1k)													
CONT	CONT	1477	1448	1459	1454	1270	1149	1145	1149	1034	489	491	707	707
TOTAL	CONT	1477	1448	1459	1454	1270	1149	1145	1149	1034	489	491	707	707
DOLLARS	- DOLLARS ($x1k)													
EA	Program Management and Support - ERC	1618	1618	1618	1618	1618	1618	1618	1618	1618	1618	1618	1618	4498
P22211M	300-FF-2 Remediation - All Sites													
P22211N	300-FF-2 Remediation - All Sites													
UB1216F	BEMR - D&D	3490	3490	3517	3504	3504	3504							
UB1216G	BEMR - D&D	705	705	710	708	708	708	705	708	708	708			
UB1216H	BEMR - D&D									5318	5318	5338	5298	5298
UC1110	300 Area FTF Surveillance and Maintenance		314	316	315	315	315	314	315					
TOTAL	DOLLARS	5813	6127	6162	6145	6145	6145	2637	2641	7644	7644	6956	6916	9796
OUTESC	- OUTYEAR ESCALATION ($x1k)													
ESC	ESC	11319	12272	12924	13477	13745	14086	7638	7947	18492	18853	18048	19184	19647
TOTAL	OUTESC	11319	12272	12924	13477	13745	14086	7638	7947	18492	18853	18048	19184	19647
	REPORT TOTAL	18609	19847	20545	21075	21159	21380	11419	11737	27169	26986	25496	26806	30149



Project Start	1OCT00	Sheet 1 of 1	LRP BASELINE UPDATE, REV. 0
Project Finish	28SEP46	ENVIRONMENTAL RESTORATION	Date / Revision / Checked / Approved
Data Date	1OCT00	LONG RANGE PLAN SUMMARY SCHEDULE	
Plot Date	5JAN01	PBS: RS02, FINAL REACTOR DISPOSITION	
(c) Primavera Systems, Inc.			

(LRP BSLN UPDT REV. 5) PRIMAVERA PROJECT PLANNER LRP6 -JAN 05, 01 (NEW PBS FORMAT)

REPORT DATE 05JAN01 18:30 RUN NO. 3801 COST LOADING REPORT START DATE 01OCT00 FIN DATE 28SEP46

PBS: RS02, FINAL REACTOR DISPOSITION TOTAL USAGE FOR YEAR DATA DATE 01OCT00 PAGE NO. 1- 1

ACT ID	DESC	TOTAL	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
CONT	- CONTINGENCY ($x1k)																	
CONT	CONT	66466												3638	5517	5072	5072	5124
TOTAL	CONT	66466												3638	5517	5072	5072	5124
DOLLARS	- DOLLARS ($x1k)																	
EA	Program Management and Support - ERC	86323															7155	7314
UB1112A	Effluent P.L. ERA/Riverlines	1638													819	819		
UB1112B	Effluent P.L. ERA/Riverlines	693													347	347		
UB1112C	Effluent P.L. ERA/Riverlines	891													446	446		
UB1112D	Effluent P.L. ERA/Riverlines	1784													892	892		
UB1112E	Effluent P.L. ERA/Riverlines	1373													687	687		
UB1112F	Effluent P.L. ERA/Riverlines	987													494	494		
UB2224B	B Reactor Museum	59028															568	570
UB2225	C Reactor Decommissioning	46271																7750
UB5200	D Reactor (Decommissioning)	38544																2287
UB5212	DR Reactor (Decommissioning)	39338																2275
UB6208	F Reactor (Decommissioning)	37086																2175
UB8211	H Reactor (Decommissioning)	43831																2175
UB9211	KE Reactor (Decommissioning)	68264																2275
UB9213	KW Reactor (Decommissioning)	60862																2271
UBB211	N Reactor (Decommissioning)	60754																2275
TOTAL	DOLLARS	547668													3684	3684	7723	31467
OUTESC	- OUTYEAR ESCALATION ($x1k)																	
ESC	ESC	477158												1335	3626	3836	6167	19208
TOTAL	OUTESC	477158												1335	3626	3836	6167	19208
REPORT TOTAL		1091292												4974	12827	12591	18961	55799

(LRP BSLN UPDT REV. 5) PRIMAVERA PROJECT PLANNER LRP6 -JAN 05, 01 (NEW PBS FORMAT)

REPORT DATE 05JAN01 RUN NO. 3801 18:30 COST LOADING REPORT START DATE 01OCT00 FIN DATE 28SEP46

PBS: RS02, FINAL REACTOR DISPOSITION TOTAL USAGE FOR YEAR DATA DATE 01OCT00 PAGE NO. 1- 2

ACT ID	DESC	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033
CONT	- CONTINGENCY ($x1k)																	
CONT	CONT	5328	3729	3614	3626	3474	3158	3111	2914	2773	2643	2008	2008	1826	1833			
TOTAL	CONT	5328	3729	3614	3626	3474	3158	3111	2914	2773	2643	2008	2008	1826	1833			
DOLLARS	- DOLLARS ($x1k)																	
EA	Program Management and Support - ERC	7327	5957	6884	6745	6609	6485	6086	5964	5887	5703	4168	4036					
UB1112A	Effluent P.L. ERA/Riverlines																	
UB1112B	Effluent P.L. ERA/Riverlines																	
UB1112C	Effluent P.L. ERA/Riverlines																	
UB1112D	Effluent P.L. ERA/Riverlines																	
UB1112E	Effluent P.L. ERA/Riverlines																	
UB1112F	Effluent P.L. ERA/Riverlines																	
UB2224B	B Reactor Museum	586	546	4713	4750	4920	4543	4713	4739	4776	4776	4776	4776	4757	4520			
UB2225	C Reactor Decommissioning	7692	7692	7721	7750	7666												
UB5200	D Reactor (Decommissioning)	2254	2254	6410	6434	6310	6310	6286										
UB5212	DR Reactor (Decommissioning)	2339	2177	8281	8129	8084	8053											
UB6208	F Reactor (Decommissioning)	2235	2081	5019	5038	5038	5000	5481	5019									
UB8211	H Reactor (Decommissioning)	2339	2177	5358	5379	5361	5228	5238	5258	5218								
UB9211	KE Reactor (Decommissioning)	2254	2254	7712	7742	7712	7712	7683	7700	7597	7627							
UB9213	KW Reactor (Decommissioning)	2339	2177	6056	6079	6056	6056	6023	6010	6033	5825	5933						
UBB211	N Reactor (Decommissioning)	2250	2258	5447	5468	5447	5447	5427	5331	5351	5351	5351	5351					
TOTAL	DOLLARS	31616	29573	63601	63514	63204	54834	46937	40021	34862	29281	20228	14163	4757	4520			
OUTESC	- OUTYEAR ESCALATION ($x1k)																	
ESC	ESC	20967	20524	44577	47765	50745	47097	43276	39447	36674	32936	24252	18618	7990	8118			
TOTAL	OUTESC	20967	20524	44577	47765	50745	47097	43276	39447	36674	32936	24252	18618	7990	8118			
REPORT TOTAL		57910	53825	111792	114904	117422	105089	93324	82382	74310	64861	46488	34789	14573	14471			

9.0 BASELINE SCHEDULE/LONG RANGE PLAN INTRODUCTION

The purpose of the Baseline Schedule/LRP is to provide the detailed basis for the ER Project lifecycle schedule, and for various time-phased summary charts, profiles, and metrics representing the baseline.

The baseline LRP schedule is developed at the cost account level of the Work Breakdown Structure ([WBS] Level II). The schedule provides the basis for sequencing ER Project activities. The sequencing is driven by ER Project prioritization logic and compliance guidance.

The baseline LRP schedule is organized hierarchically as follows:

Hierarchy:

- DOE-RL
  - Site Outcome
    - PBS
      - Zone

Columns:

1	2	3	4	5	6
Activity ID	Cost Account	Activity Desc.	Early Start	Early Finish	Est. Cost To Go

The summary bars on the schedule represent the earliest start and finish of the scope defined within that cost account. Additional cost account detail is available in the tabular baseline reports that are included in Section 7.0.

Contingency and escalation information are included in the baseline schedule at the end of each PBS section. The contingency is calculated at the detail level (see baseline tabular reports, Section 7.0), and is summarized by PBS for the schedule. The escalation is calculated by summarizing the detail (subject to escalation), and through calculating the appropriate escalation value by PBS (and by year) as directed in the update guidance.

The BEMR estimates are included in the appropriate PBS sections.

9.1 BASELINE SCHEDULE/LONG RANGE PLAN

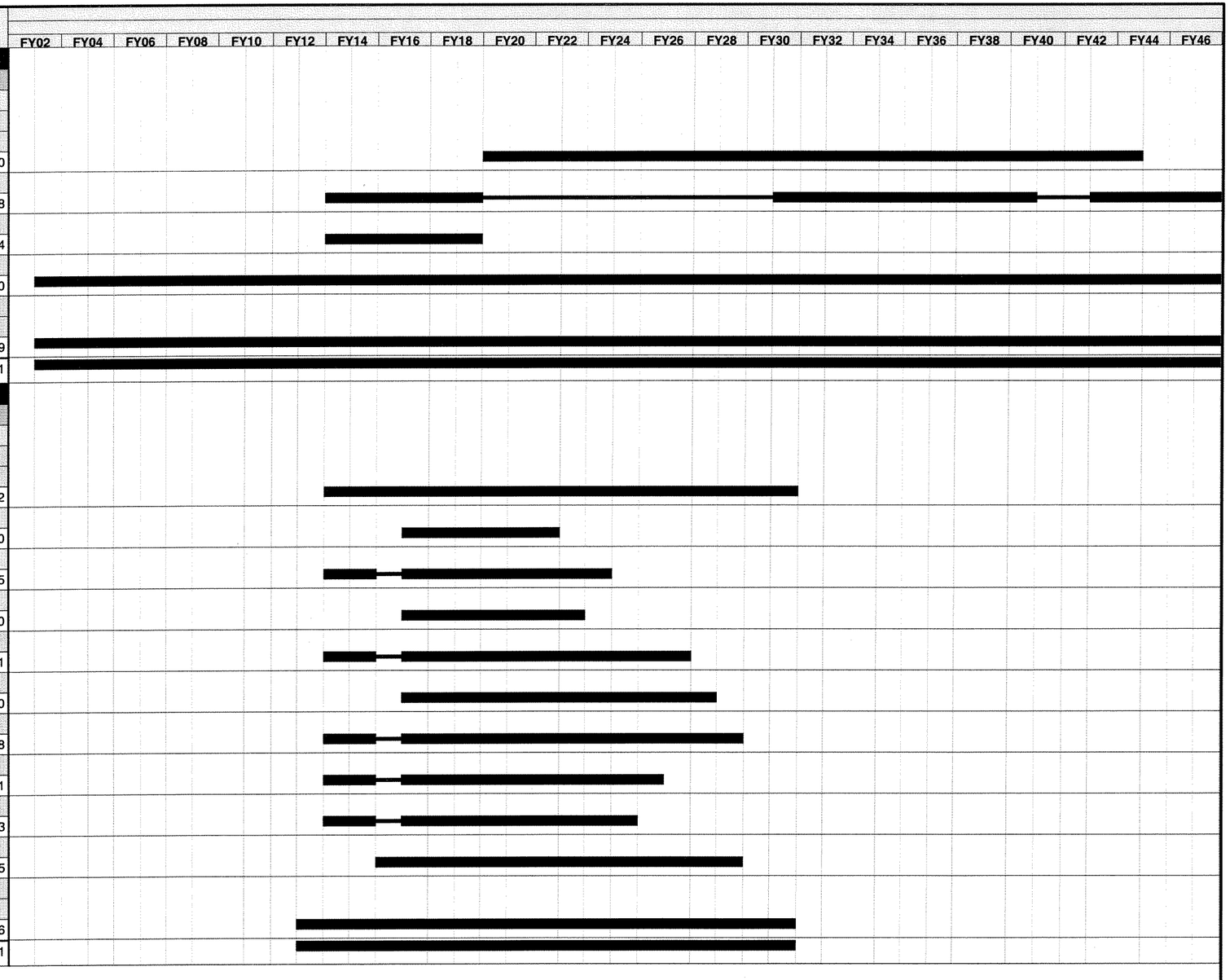
The LRP Summary Schedule, Environmental Restoration (RERP), is grouped by PBS and summarized at WBS Level IV. Detail PBS schedules follow the summary schedule.

PBS INDEX (to Detailed Schedule)

PBS	Description	Page No.
	Total ER RERP Summary Schedule	9-3
RS01	South Hanford Industrial Area Cleanup	9-4
RS02	Final Reactor Disposition	9-5
RS03	Spent Nuclear Fuel (Schedule to be provided by FH)	

River Corridor Final Closure and Spent Nuclear Fuel Baseline

Activity ID	Existing/'Prelim' Cost Account	Activity Description	Early Start	Early Finish	Est. Cost To Go
RS01 - So. HANFORD INDUSTRIAL AREA CLEAN UP					
3 RICHLAND OPERATIONS OFFICE ENVIRONMENTAL MGMT.					
3.2 RIVER CORRIDOR FINAL CLOSURE&SPENT NUCLEAR FUEL					
3.2.1 So. HANFORD INDUSTRIAL AREA CLEAN UP					
+ 3.2.1.01 400 AREA					
			01OCT18	30SEP43	19,891.00
+ 3.2.1.02 SOUTHERN ZONE					
			01OCT12	28SEP46	85,562.98
+ 3.2.1.03 NORTHERN ZONE					
	P22211N		01OCT12	28SEP18	350,670.04
+ 3.2.1.04 PROJECT MANAGEMENT & SUPPORT					
	EA		01OCT01	28SEP46	145,466.00
3.2.1* ESCALATION and CONTINGENCY					
+					
			01OCT01	28SEP46	642,983.89
Subtotal			01OCT01	28SEP46	1,244,573.91
RS02 - FINAL REACTOR DISPOSITION					
3 RICHLAND OPERATIONS OFFICE ENVIRONMENTAL MGMT.					
3.2 RIVER CORRIDOR FINAL CLOSURE&SPENT NUCLEAR FUEL					
3.2.2 FINAL REACTOR DISPOSITION					
+ 3.2.2.01 B REACTOR					
			01OCT12	30SEP30	60,666.42
+ 3.2.2.02 C REACTOR					
	UB2225		01OCT15	30SEP21	46,271.00
+ 3.2.2.03 D REACTOR					
			01OCT12	29SEP23	40,327.55
+ 3.2.2.04 DR REACTOR					
	UB5212		01OCT15	30SEP22	39,338.00
+ 3.2.2.05 K-EAST REACTOR					
			01OCT12	30SEP26	69,637.21
+ 3.2.2.06 K-WEST REACTOR					
	UB9213		01OCT15	30SEP27	60,862.00
+ 3.2.2.07 N REACTOR					
			01OCT12	29SEP28	61,741.18
+ 3.2.2.08 H REACTOR					
			01OCT12	30SEP25	44,722.41
+ 3.2.2.09 F REACTOR					
			01OCT12	30SEP24	37,779.23
+ 3.2.2.10 PROJECT MANAGEMENT & SUPPORT					
	EA		01OCT14	29SEP28	86,323.35
3.2.2* ESCALATION and CONTINGENCY					
+					
			03OCT11	30SEP30	543,623.86
Subtotal			03OCT11	30SEP30	1,091,292.21



Project Start	01OCT00
Project Finish	28SEP46
Data Date	01OCT00
Run Date	06JAN01

Early Bar

Progress Bar

LRP6

ENVIRONMENTAL RESTORATION
LONG RANGE PLAN SUMMARY SCHEDULE
ENVIRONMENTAL RESTORATION (RERP)

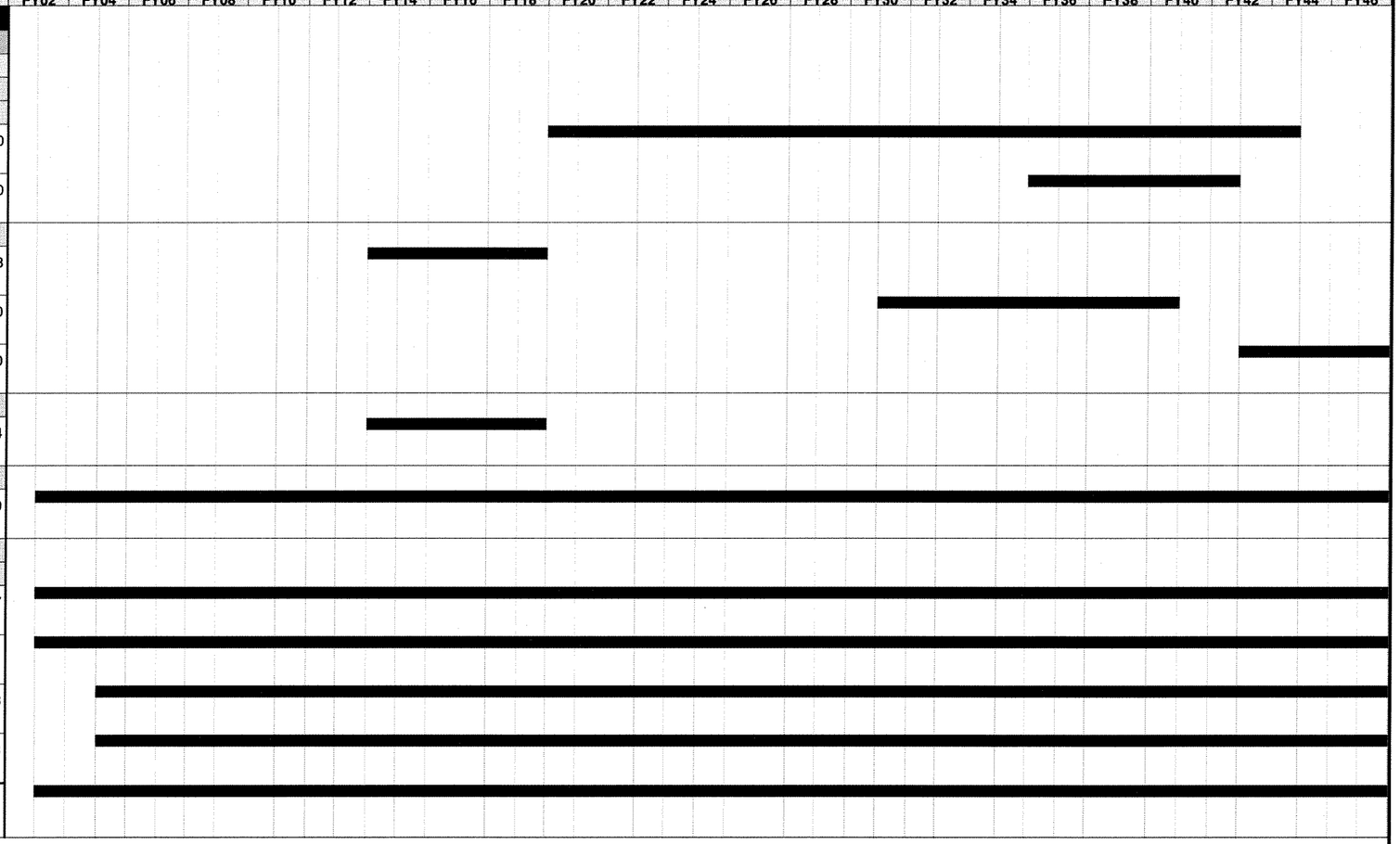
Sheet 1 of 1

BECHTEL

LRP BASELINE UPDATE, REV. 0			
Date	Revision	Checked	Approved

River Corridor Final Closure and Spent Nuclear Fuel Baseline

Activity ID	Existing/'Prelim' Cost Account	Activity Description	Early Start	Early Finish	Est. Cost To Go
RS01 - So. HANFORD INDUSTRIAL AREA CLEAN UP					
3 RICHLAND OPERATIONS OFFICE ENVIRONMENTAL MGMT.					
3.2 RIVER CORRIDOR FINAL CLOSURE&SPENT NUCLEAR FUEL					
3.2.1 So. HANFORD INDUSTRIAL AREA CLEAN UP					
3.2.1.01 400 AREA					
A6BEMR G	UB1216G	BEMR 400 Area	01OCT18*	30SEP43	17,686.00
A5UC1110	UC1110	FFTF S&M	02OCT34*	30SEP41	2,205.00
3.2.1.02 SOUTHERN ZONE					
A3P22211A1	P22211M	ALL SITES REMEDIATION	01OCT12*	28SEP18	23,954.98
A6BEMR F	UB1216F	BEMR 300 Area	01OCT29*	30SEP39	35,039.00
A6BEMR H	UB1216H	BEMR FFTF	01OCT41*	28SEP46	26,569.00
3.2.1.03 NORTHERN ZONE					
A3P22211A2	P22211N	ALL SITES REMEDIATION	01OCT12*	28SEP18	350,670.04
3.2.1.04 PROJECT MANAGEMENT & SUPPORT					
B1EARS01	EA	PM&S-EA1201-6,8;2203,5,6;3202-4,7,8,12;4202-4	01OCT01*	28SEP46	145,466.00
3.2.1* ESCALATION and CONTINGENCY					
ESCRS01	ESC	ESCALATION - RS01 - So. HANFORD INDSTRL AREA CU	01OCT01*	28SEP46	283,858.67
ESCRS01A	ESC	ESCALATION - RS01 - So. HANFORD INDSTRL AREA CU	01OCT01*	28SEP46	246,115.21
CONTRS01	CONT	CONTINGENCY - RS01 - So. HANFORD INDSTRL AREA CU	01OCT03*	28SEP46	91,941.03
CONTRS01A	CONT	CONTINGENCY - RS01 - So. HANFORD INDSTRL AREA CU	01OCT03*	28SEP46	21,068.98
Subtotal			01OCT01	28SEP46	1,244,573.91



Project Start 01OCT00
Project Finish 28SEP46
Data Date 01OCT00
Run Date 05JAN01

Early Bar
Progress Bar

LRP6

ENVIRONMENTAL RESTORATION (RERP)
LONG RANGE PLAN SUMMARY SCHEDULE
PBS: RS01, So. HANFORD IND. CLEAN UP

Sheet 1 of 1

BECHTEL

LRP BASELINE UPDATE, REV. 0			
Date	Revision	Checked	Approved

River Corridor Final Closure and Spent Nuclear Fuel Baseline

Activity ID	Existing/'Prelim' Cost Account	Activity Description	Early Start	Early Finish	Est. Cost To Go
RS02 - FINAL REACTOR DISPOSITION					
3 RICHLAND OPERATIONS OFFICE ENVIRONMENTAL MGMT.					
3.2 RIVER CORRIDOR FINAL CLOSURE&SPENT NUCLEAR FUEL					
3.2.2 FINAL REACTOR DISPOSITION					
3.2.2.01 B REACTOR					
A6UB111201	UB1112A	EFFLUENT P.L., ERA/RIVERLINES	01OCT12*	30SEP14	1,638.42
A6UB2224	UB2224B	105-B REACTOR MUSEUM - DISPOSITION	01OCT14*	30SEP30	59,028.00
3.2.2.02 C REACTOR					
A6UB2225	UB2225	105-C DECOMMISIONING	01OCT15*	30SEP21	46,271.00
3.2.2.03 D REACTOR					
A6UB111204	UB1112D	EFFLUENT P.L., ERA/RIVERLINES	01OCT12*	30SEP14	1,783.55
A6UB5200	UB5200	105-D REACTOR DECOMM.	01OCT15*	29SEP23	38,544.00
3.2.2.04 DR REACTOR					
A6UB5212	UB5212	105-DR REACTOR DECOMM.	01OCT15*	30SEP22	39,338.00
3.2.2.05 K-EAST REACTOR					
A6UB111205	UB1112E	EFFLUENT P.L., ERA/RIVERLINES	01OCT12*	30SEP14	1,373.21
A6UB9211	UB9211	105-KE REACTOR DECOMM.	01OCT15*	30SEP26	68,264.00
3.2.2.06 K-WEST REACTOR					
A6UB9213	UB9213	105-KW REACTOR DECOMM.	01OCT15*	30SEP27	60,862.00
3.2.2.07 N REACTOR					
A6UB111206	UB1112F	EFFLUENT P.L., ERA/RIVERLINES	01OCT12*	30SEP14	987.18
A6UBB211	UBB211	105-N REACTOR DECOMM.	01OCT15*	29SEP28	60,754.00
3.2.2.08 H REACTOR					
A6UB111203	UB1112C	EFFLUENT P.L., ERA/RIVERLINES	01OCT12*	30SEP14	891.41
A6UB8211	UB8211	105-H REACTOR DECOMM.	01OCT15*	30SEP25	43,831.00
3.2.2.09 F REACTOR					
A6UB111202	UB1112B	EFFLUENT P.L., ERA/RIVERLINES	01OCT12*	30SEP14	693.23
A6UB6208	UB6208	105-F REACTOR DECOMM.	01OCT15*	30SEP24	37,086.00
3.2.2.10 PROJECT MANAGEMENT & SUPPORT					
B1EARS02	EA	PM&S-EA1201-6,8;2203,5,6;3202-4,7,8,12;4202-4	01OCT14*	29SEP28	86,323.35
3.2.2* ESCALATION and CONTINGENCY					
CONTRS02	CONT	CONTINGENCY - RS02 - FINAL Rx AREA DISPOSITION	03OCT11*	01OCT29	64,633.30
ESCRS02	ESC	ESCALATION - RS02 - FINAL Rx AREA DISPOSITION	03OCT11*	27SEP30	477,157.85
CONTRS02A	CONT	CONTINGENCY - RS02 - FINAL Rx AREA DISPOSITION	01OCT12*	30SEP30	1,832.71
Subtotal			03OCT11	30SEP30	1,091,292.21

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Early Bar
Progress Bar

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ENVIRONMENTAL RESTORATION (RERP)
LONG RANGE PLAN SUMMARY SCHEDULE
PBS: RS02, FINAL REACTOR DISPOSITION

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BECHTEL

LRP BASELINE UPDATE, REV. 0			
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